SAMSUNG

# LCD PROJECTION TELEVISION

Chassis : PLT51A
Model: SP403JHAX

# SERVICE Manual

## LCD PROJECTION TELEVISION

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ELECTRONICS

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# 1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

## 1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

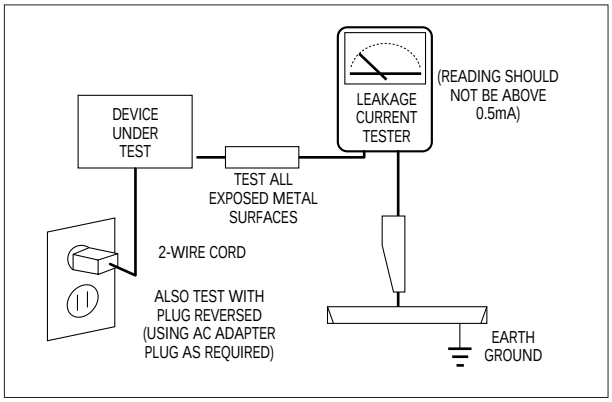

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

## 1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, ( ⚠ ) or ( ⚠ ).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

## 1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

9. When some parts inside the optical engine (except lamp) are damaged, replace the whole optical engine.

## 1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

# 2. Reference Information

## 2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

| | | | |
|---|---|---|---|
| A | Ampere | MV | Megavolt |
| Ah | Ampere-hour | MW | Megawatt |
| Å | Angstrom | MΩ | Megohm |
| dB | Decibel | m | Meter |
| dBm | Decibel Referenced to One Milliwatt | µA | Microampere |
| | | µF | Microfarad |
| °C | Degree Celsius | µH | Microhenry |
| °F | Degree Fahrenheit | µm | Micrometer |
| °K | degree Kelvin | µs | Microsecond |
| F | Farad | µW | Microwatt |
| G | Gauss | mA | Milliampere |
| GHz | Gigahertz | mg | Milligram |
| g | Gram | mH | Millihenry |
| H | Henry | ml | Milliliter |
| Hz | Hertz | mm | Millimeter |
| h | Hour | ms | Millisecond |
| ips | Inches Per Second | mV | Millivolt |
| kWh | Kilowatt-hour | nF | Nanofarad |
| kg | Kilogram | Ω | Ohm |
| kHz | Kilohertz | pF | Picofarad |
| kΩ | Kilohm | lb | Pound |
| km | Kilometer | rpm | Revolutions Per Minute |
| km/h | Kilometer Per Hour | rps | Revolutions Per Second |
| kV | Kilovolt | s | Second (Time) |
| kVA | Kilovolt-ampere | V | Volt |
| kW | Kilowatt | VA | Volt-ampere |
| l | Liter | W | Watt |
| MHz | Megahertz | Wh | Watt-hour |

Table 2-1 Abbreviations

| | | | |
|---|---|---|---|
| ABL | Automatic Brightness Limiter | I/O | Input/output |
| AC | Alternating Current | L | Left |
| ACC | Automatic Chroma Control | L | Low |
| AF | Audio Frequency | LED | Light Emitting Diode |
| AFC | Automatic Frequency Control | LF | Low Frequency |
| AFT | Automatic Fine Tuning | MOSFET | Metal-Oxide-Semiconductor-Field-Effect-Tr |
| AGC | Automatic Gain Control | MTS | Multi-channel Television Sound |
| AM | Amplitude Modulation | NAB | National Association of Broadcasters |
| ANSI | American National Standards Institute | NEC | National Electric Code |
| APC | Automatic Phase Control | NTSC | National Television Systems Committee |
| APC | Automatic Picture Control | OSD | On Screen Display |
| A/V | Audio-Video | PCB | Printed Circuit Board |
| AVC | Automatic Volume Control | PLL | Phase-Locked Loop |
| BAL | Balance | PWM | Pulse Width Modulation |
| BPF | Bandpass Filter | QIF | Quadrature Intermediate Frequency |
| B-Y | Blue-Y | R | Right |
| CATV | Community Antenna Television (Cable TV) | RC | Resistor & Capacitor |
| CB | Citizens Band | RF | Radio Frequency |
| CCD | Charge Coupled Device | R-Y | Red-Y |
| CCTV | Closed Circuit Television | SAP | Second Audio Program |
| Ch | Channel | SAW | Surface Acoustic Wave(Filter) |
| CRT | Cathode Ray Tube | SIF | Sound Intermediate Frequency |
| CW | Continuous Wave | SMPS | Switching Mode Power Supply |
| DC | Direct Current | S/N | Signal/Noise |
| DVM | Digital Volt Meter | SW | Switch |
| EIA | Electronics Industries Association | TP | Test Point |
| ESD | Electrostatic Discharge | TTL | Transistor Transistor Logic |
| ESD | Electrostatically Sensitive Device | TV | Television |
| FBP | Feedback Pulse | UHF | Ultra High Frequency |
| FBT | Flyback Transformer | UL | Underwriters Laboratories |
| FF | Flip-Flop | UV | Ultraviolet |
| FM | Frequency Modulation | VCD | Variable-Capacitance Diode |
| FS | Fail Safe | VCO | Voltage Controlled Oscillator |
| GND | Ground | VCXO | Voltage Controlled Crystal Oscillator |
| G-Y | Green-Y | VHF | Very High Frequency |
| H | High | VIF | Video Intermediate Frequency |
| HF | High-Frequency | VR | Variable Resistor |
| HI-FI | High Fidelity | VTR | Video Tape Recorder |
| IC | Inductance-Capacitance | VTVM | Vacuum Tube Voltmeter |
| IC | Integrated Circuit | TR | Transistor |
| IF | Intermediate Frequency | | |

## 2-2 IC Line Up

| Table 2 - 2 IC Line - Up | | | |
|---|---|---|---|
| BLOCK | SPECIFICATION | MAKER | FUNCTION |
| MAIN | TDA9810T | PHILLIPS | VIF (QSS-IF&AM) |
| | TDA7265 | SGS-THOMSON | STEREO AMP (25W) |
| | PCF8574P | PHILIPS | FAN,LEVER S/W,THERMO S/W DETECT |
| | SAA1300 | PHILIPS | LED CONTROL, LAMP ON/OFF |
| AV-TERMINAL | TDA6920X | SIEMENS | 7*5 VIDEO S/W |
| | TEA5114A | SGS-THOMSON | VIDEO S/W |
| | TL062CDT | T.I | OP AMP |
| SOUND | MSP3410D | ITT | SOUND PROCESSOR |
| | DPL3519A | ITT | DOLBY PRO LOGIC |
| | TL062CDT | T.I | OP AMP |
| | 74HC4052 | PHILIPS | ANALOG-MULTIPLEXER |
| | SDA30C264 | SIEMENS | 8-BIT MICRO CONTROLLER |
| MICOM | ST24W16 | SGS-THOMSON | EEPROM (2K*8) |
| | TMS27C040 | T.I | PROGRAMMABLE ROM |
| | SDA5273P | SIEMENS | MEGATEXT |
| | KM44C1004D | SEC | DRAM (1M*4BIT) |
| | HD74HC123P | HITACHI | MULTIVIBRATOR |
| LCD-CONTROL | 74HC04D | PHILIPS | CMOS-LOGIC |
| | TDA4780 | PHILIPS | RGB CONTROL |
| | TDA8444 | PHILIPS | DAC |
| | CXA1853Q | SONY | RGB DRIVER |
| | CXA2504N | SONY | SAMPLE/HOLD DRIVER |
| | CXD2443Q | SONY | TIMING GENERATOR |
| | CIP3215A | ITT | COMPONENT INTERFACE PROCESSOR |
| FEATURE-BOX | VPC3210A | ITT | VIDEO PROCESSOR |
| | TL7705AC | T.I | POWER-ON RESET GENERATOR |
| | SDA9280 | SIEMENS | DISPLAY PROCESSOR |
| | SDA9272 | SIEMENS | VIDEO INTERPOLATION PROCESSOR |
| | SDA9253 | SIEMENS | DRAM |
| | 74F125 | PHILIPS | BUFFER |
| | 74F541 | PHILIPS | BUFFER |

# MEMO

# 3. Specifications

| MODEL | | SP-403JHA |
|---|---|---|
| MAIN CHARACTERISTICS | Progressive | 0 |
| | Dolby Prologic | 0 (3D Sound) |
| | AV- LINK | 0 |
| SYSTEM | TUNING | Frequency Synthesizer |
| | COLOR | PAL, SECAM, NTSC (only AV mode) |
| | SOUND | NICAM, A2 STEREO, AM |
| ANTENNA INPUT | | 75Ω, Coaxial Cable |
| POWER | CONSUMPTION | 168 W |
| | REQUIREMENTS | Main Voltage : 230V<br>Input Range : 220 ~240V |
| | FREQUENCY | 50Hz |
| LCD | SIZE | 1.43" , 16:9 |
| | TYPE | p-Si : Active matrix TFT |
| NUMBER OF CHANNELS | | 100 |
| TUNING RANGE | | VHF : 2 ~ 12, UHF : 21 ~ 69, Cable : S1 ~ S41 |
| SOUND OUTPUT | | Right : 13W<br>Left : 13W |
| SOCKETS | EXT4 | -1 RCA Input / 1 S-Video input<br>-Headphone Audio Output |
| | BACK (3 SCARTS) | -EXT1 : full RGB Scart / AV-LINK<br>-EXT2 : Scart (Output Selectable)<br>-EXT3 : Decoder (Output Selectable)<br>-Dolby Prologic Signal Output (RCA Jack) |

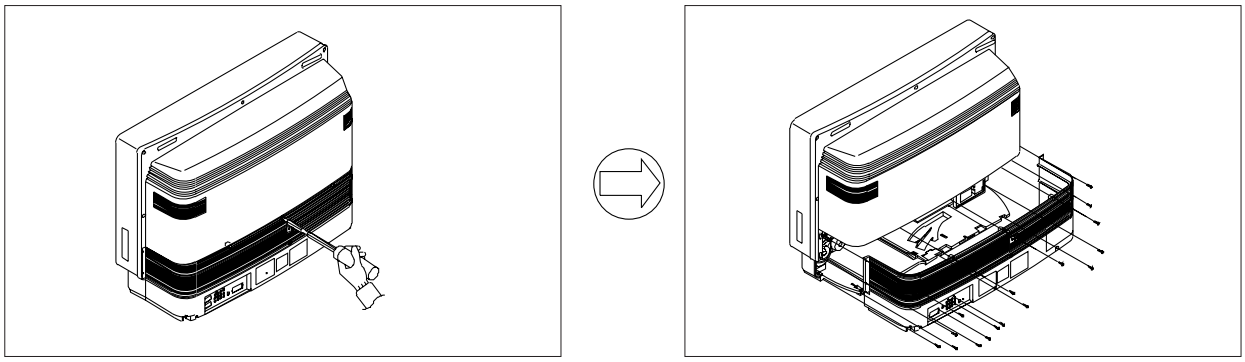
Specifications are subject to change.

# MEMO

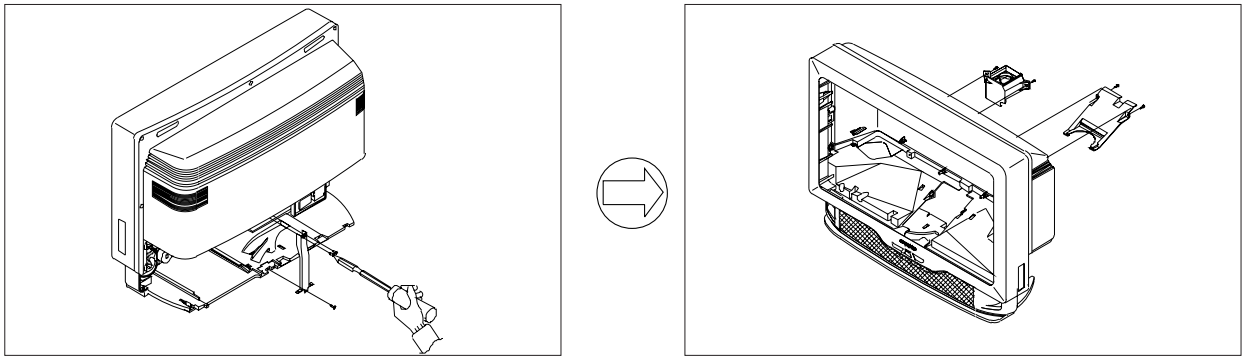
# 4. Disassembly and Reassembly

## 4-1 Back Cover Removal

1. After removing the 16 screws, pull the bottom part of the cabinet back wards.

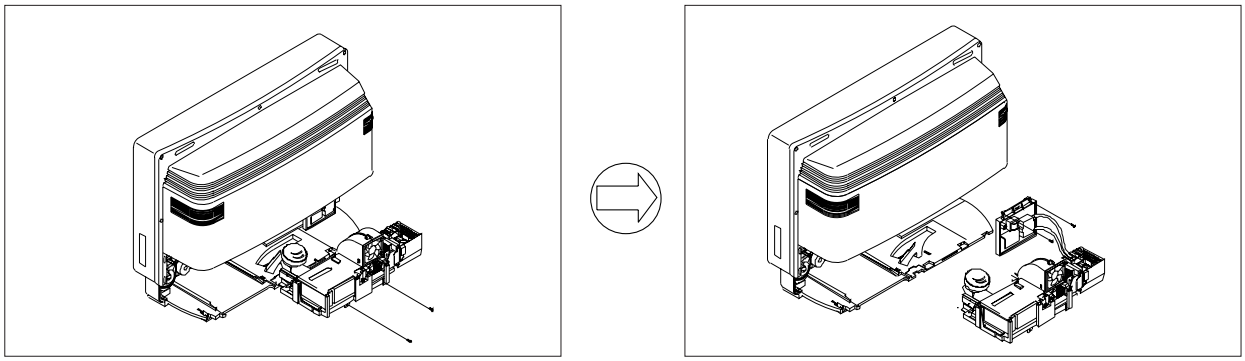


2. Loosen the 4 screws and remove the supporter.



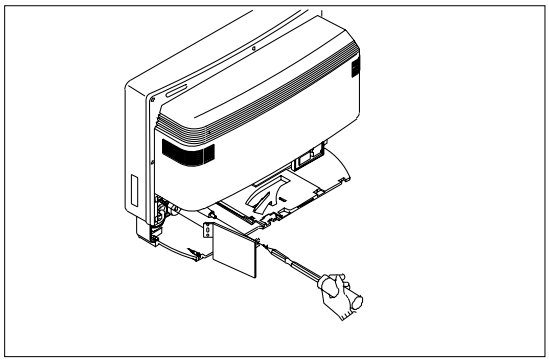
3. After loosening the 4 screws, remove the lens cover and fan duct.

4. Loosen the 2 screws. Remove the optical meter.

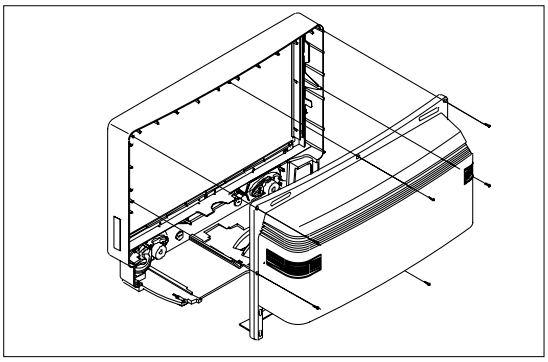


5. Loosen the 2 screws. Remove the stabilizer.

6. After loosening the 2 screws, remove the chassis holder and power mounting.

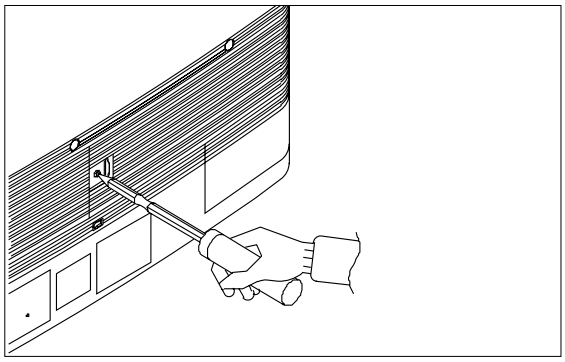


7. After removing the 6 screws, pull the top cabinet backwards.

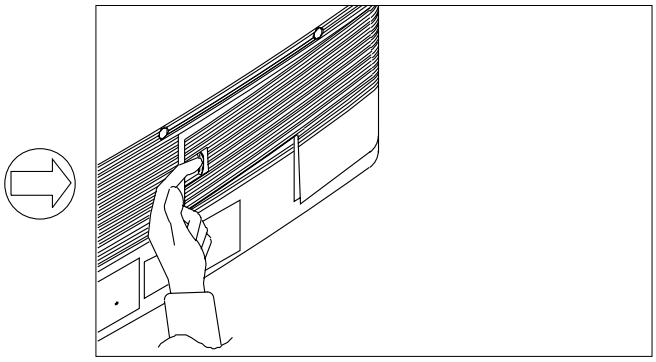


## 4-2 Lamp Replacement

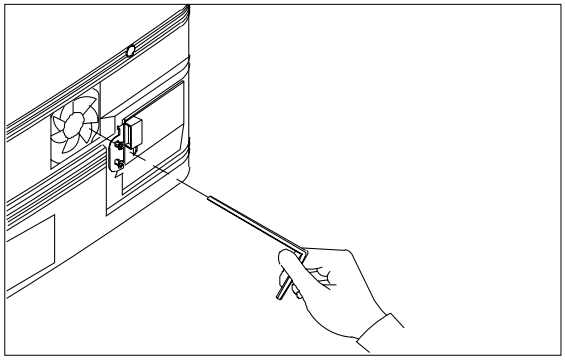
1. Loosen the screw.



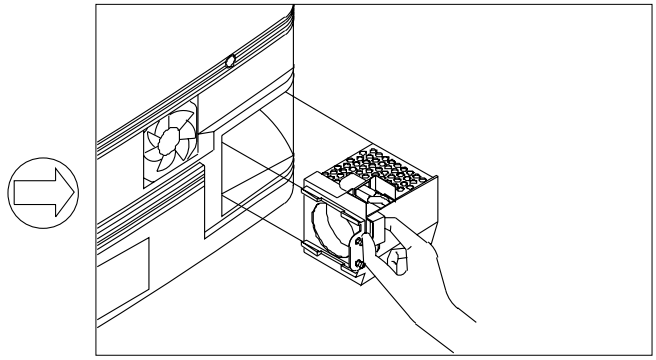
2. Remove the cover.



3. Using a hexagonal wrench, loosen the two screws that secure the lamp.



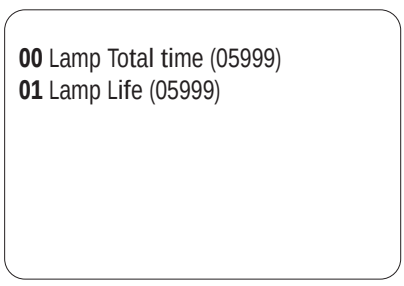
4. Pull out the lamp.



5. PROCEDURE

   After completing the lamp replacement, enter the Service Mode
   Press the remote control Keys in the following sequence:

   "Display → P.STD → Mute → Power"




(1) Select 01 (lamp life) with using the channel (▼) key, then press the volume (+) key (See the figure below).

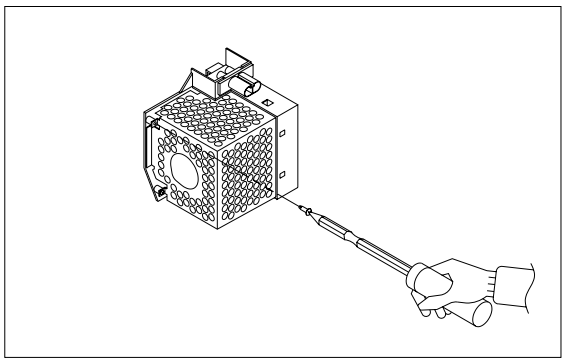
(2) Press the Cancel key to reset the lamp life ("00000").

(3) Press the Power key to reset the factory value.

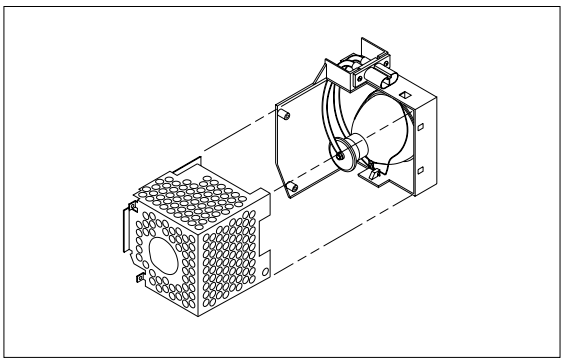
(4) Press the DISPLAY key to verify that the lamp use time is ø.

## 4-2-1 Lamp (Bulb only) Replacement

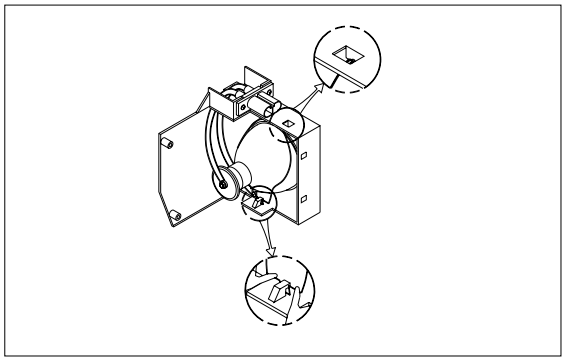
1. Loosen the two screws.



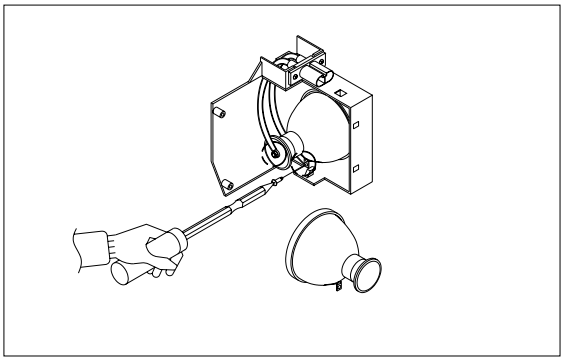
2. Remove the lamp-bracket from the lamp assembly.



3. After loosening the two brackets, remove the lamp-holder and wires.

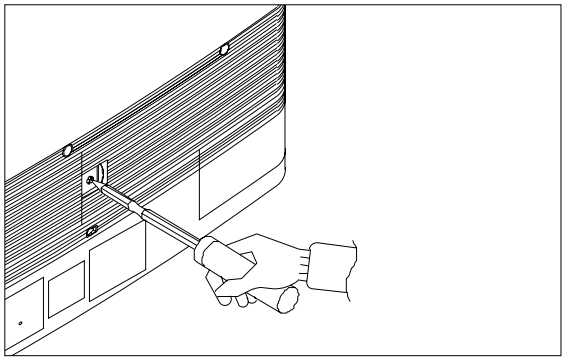


4. After loosening one screw and one nut, remove the bulb.

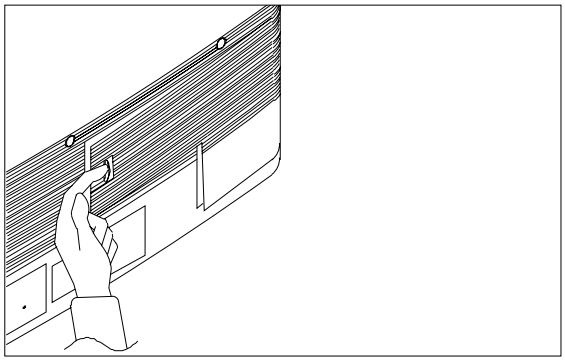


## 4-3 Air Filter Check

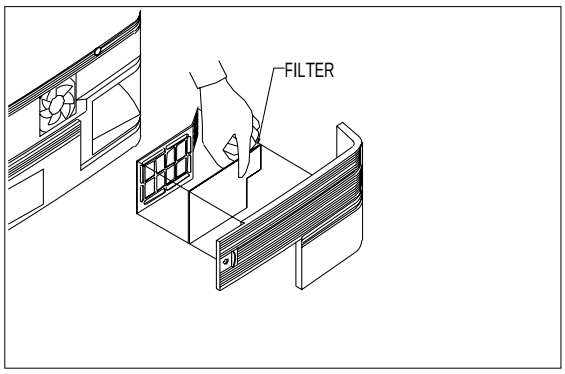
1. Loosen the screw.



2. Remove the cover.

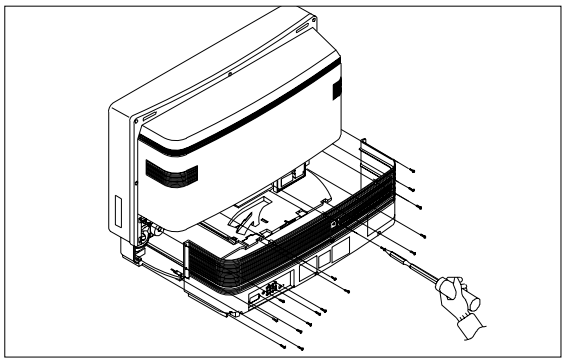


3. After removing the holder and filter from the cover, clean the filter.

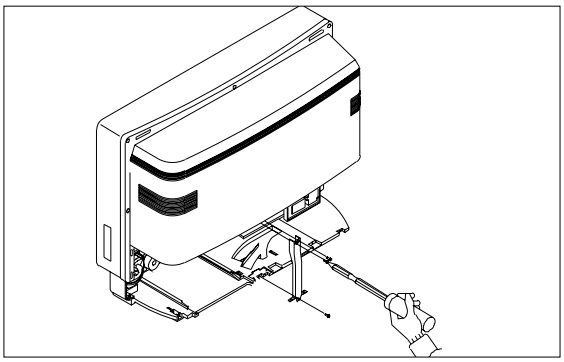


## 4-4 Liquid Crystal Panel Replacement

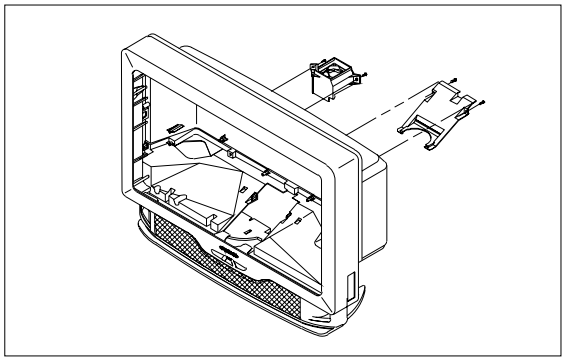
1. After removing the 16 screws, pull the cabinet backwards.



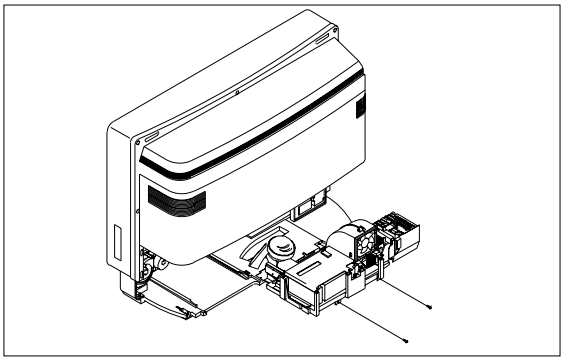
2. Loosen the 3 screws. Remove the supporter.



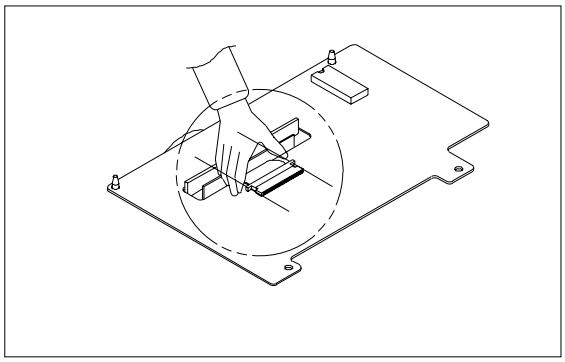
3. After loosening the 4 screws, remove the lens cover and fan duct.



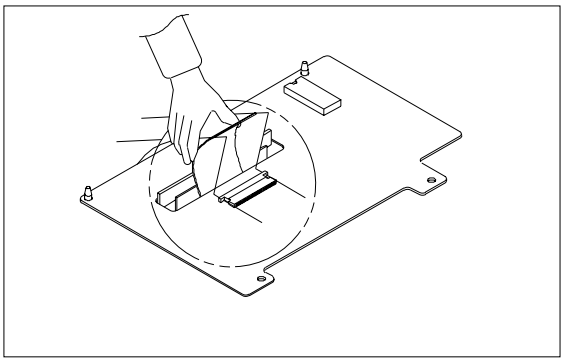
4. Loosen the 2 screws. Remove the optical meter.



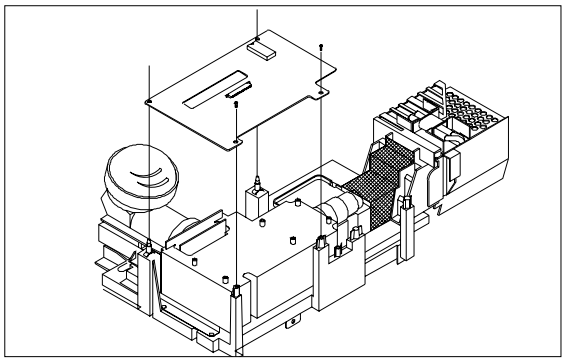
5. Remove the GUIDE from the FPC-Connector.



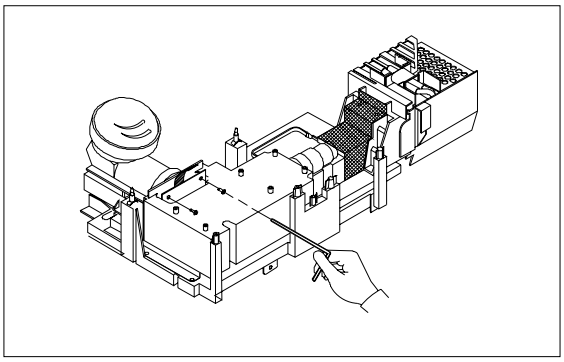
6. Remove FPC cable from the FPC-Connector.



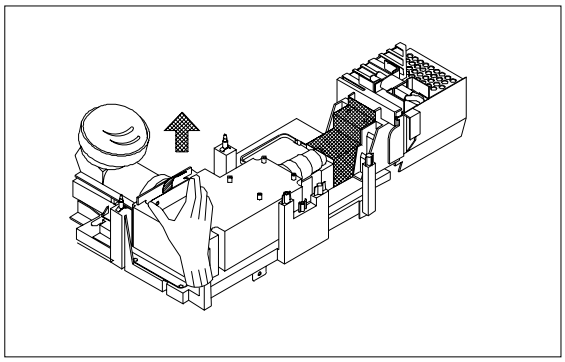
7. Loosen the 2 screws, 2 PCB spacers and remove the PCB-LCD.



8. Using a hexagonal wrench, loosen the two screws.

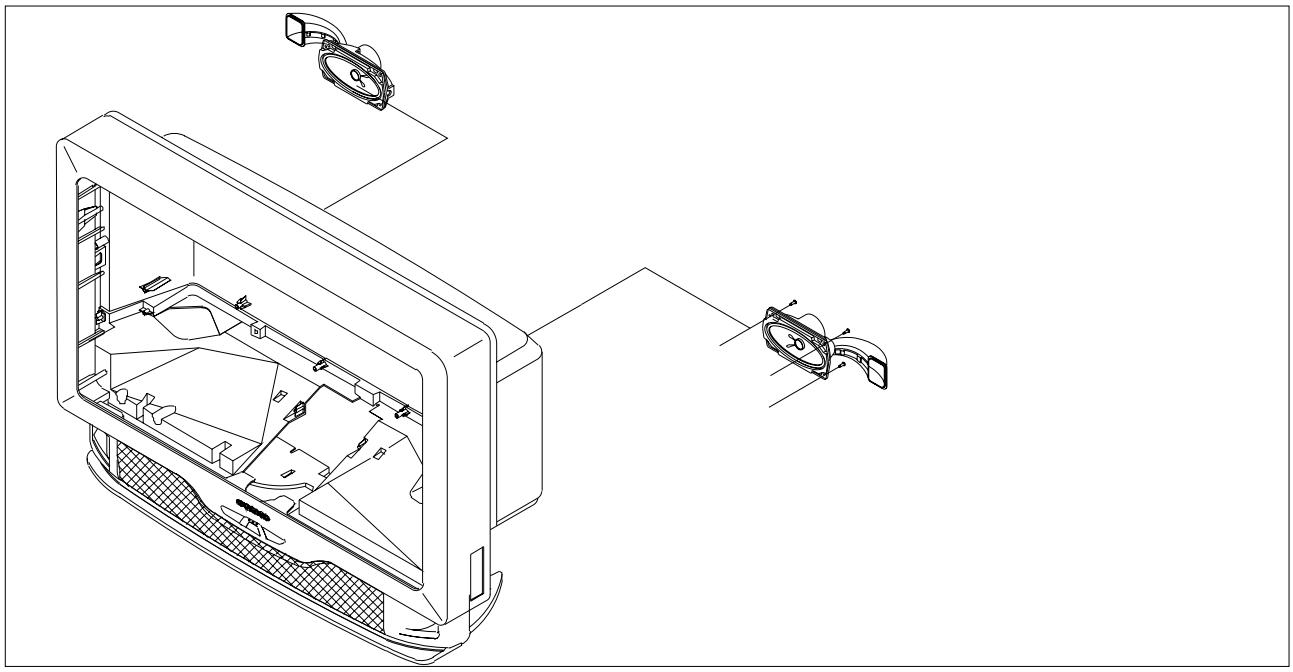


9. Lift the LCD in the direction of arrow.



## 4-5 Speaker Removal

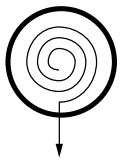
1. Loosen the 4 screws and remove the speaker holders.



# 5. Alignment and Adjustments

## 5-1 Lens and Mirror Cleaning

1. Mix the alcohol and ethyl in appropriate proportions.
2. Use a clean cotton cloth or a cleaning paper.
3. Clean the top of the lens by turning it as shown. The pattern starts at the center and proceeds outward, as shown below:



4. Use minimal pressure when rubbing the mirror. Otherwise, the surface will be damaged.

## 5-2 Focus Adjustment for projection Lens

1. Loosen the 4 screws that secure the optical assembly.
2. After setting the optical assembly on the front cabinet, secure the unit temporarily using the two screws.
3. After applying the liquid crystal panel signal, input a lion head pattern from a pattern generator.
4. Move the focus adjustment screws right and left until the liquid crystal picture element is clearly displayed on the screen.
5. Reposition the optical assembly, and fasten all 4 screws.
6. Check the focus adjustment.
7. Repeat adjustments 1~5, if necessary.

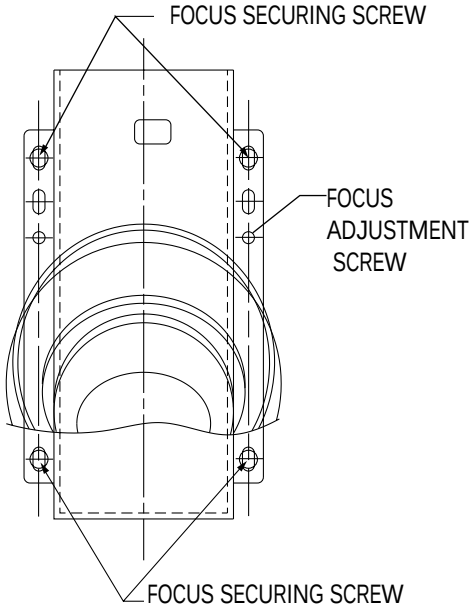



Fig. 5-1

## 5-3 Liquid Crystal Screen Center Adjustment

After replacing with the new liquid crystal panel, make sure that the liquid crystal screen center is aligned with the screen center. If they are not aligned, make the following adjustments:

1. Using a hexagonal wrench, loosen the two screws that secure the liquid crystal panel.

   Note: Loosen the screws just until the panel can move easily.

2. Using two fingers, lift the liquid crystal upward. (The screen moves downward.)

3. When moving the liquid crystal panel towards the left, the screen moves right (and vice versa).

5. Repeat adjustments 2~4 until the screen center is aligned vertically and horizontally.

6. Using a hexagonal wrench, refasten the two screws.

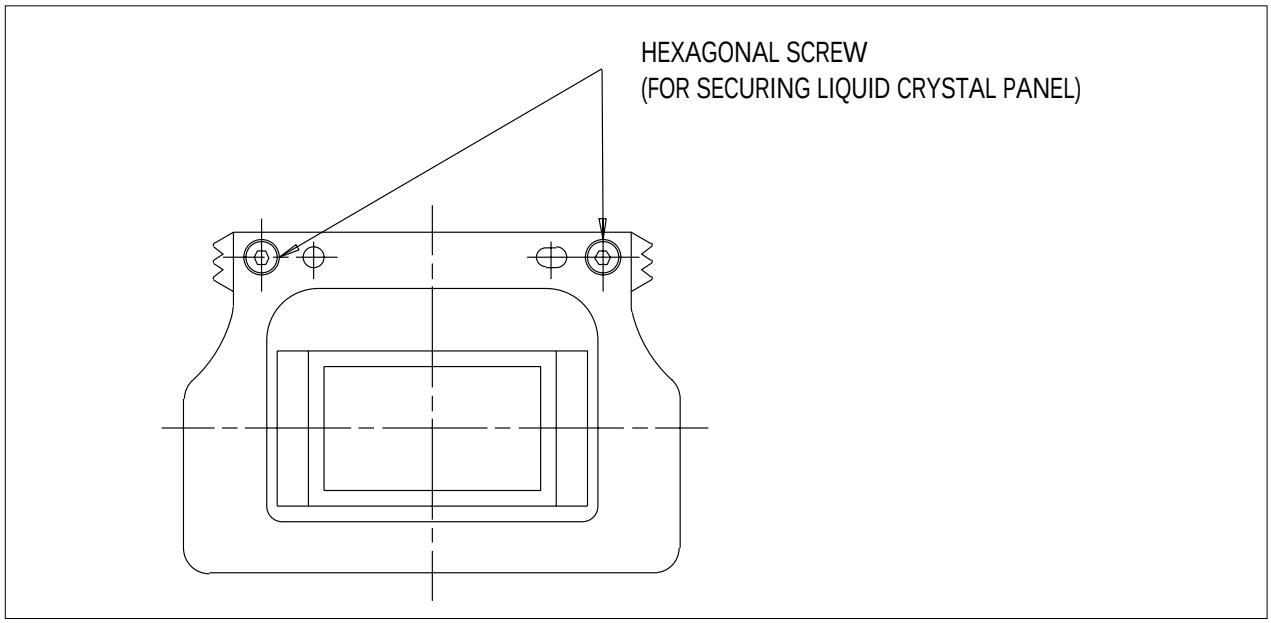
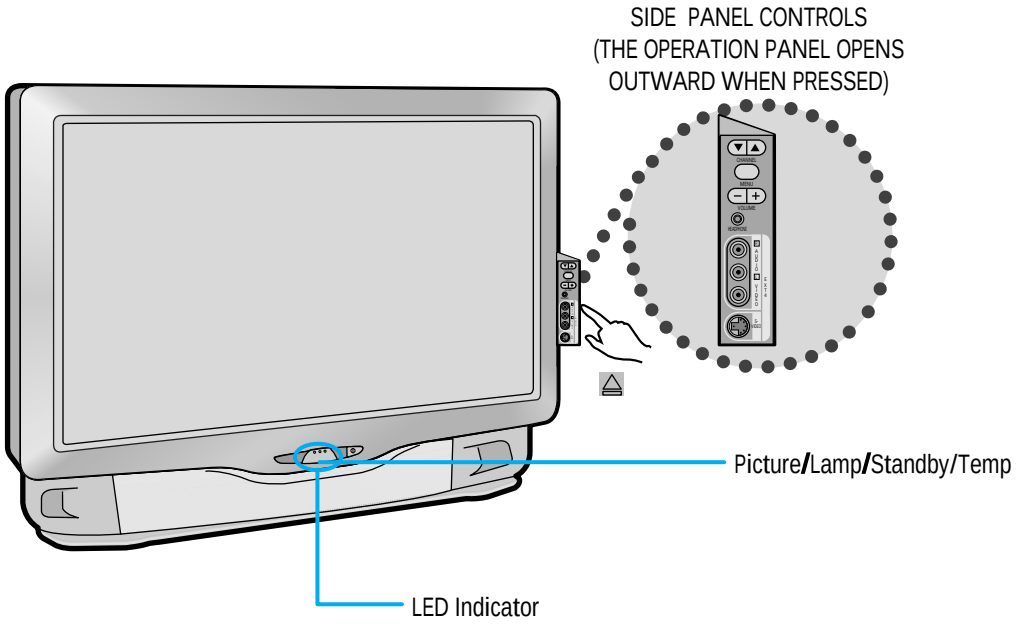
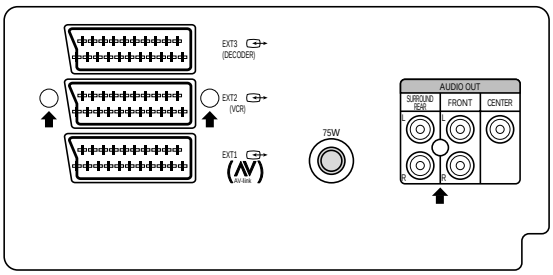



Fig. 5-2

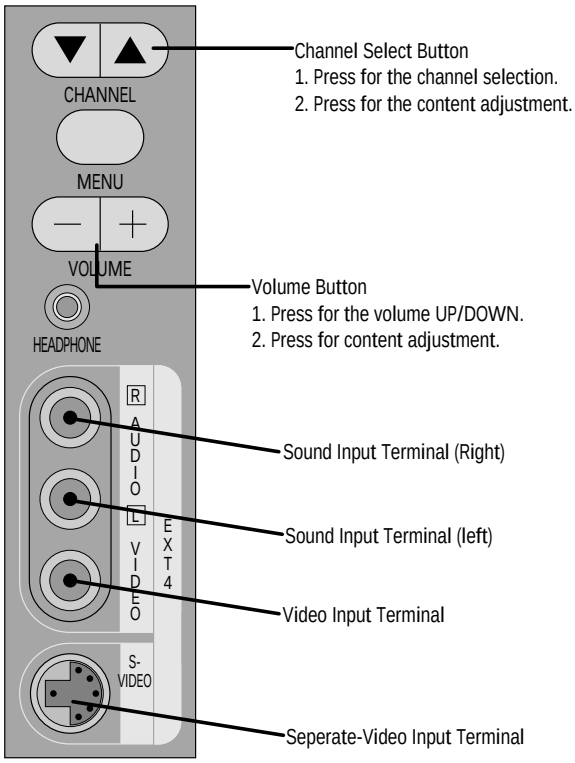
## 5-4 Side Panel Controls




### 4-4-1 Rear Panel Jacks




### 5-4-2 Side Operation Panel



# 5-5 Service Mode Adjustments

## 5-5-1 MATRIX IC (TDA4780) Adjustment

| No. | Item | Range | Initial value | Description |
|---|---|---|---|---|
| 00 | RED DRIVE | 63 | 52 | Adjustment for the R gain |
| 01 | GREEN DRIVE | 63 | 48 | Adjustment for the G gain |
| 02 | BLUE DRIVE | 63 | 53 | Adjustment for the B gain |
| 03 | RED CUTOFF | 63 | 32 | Adjustment for the R cutoff |
| 04 | GREEN CUTOFF | 63 | 32 | Adjustment for the G cutoff |
| 05 | BLUE CUTOFF | 63 | 32 | Adjustment for the B cutoff |
| 06 | SUB BRIGHTNESS | 20 | 14 | Adjustment for the brightness |
| 07 | SUB CONTRAST | 20 | 20 | Adjustment for the contrast |
| 08 | SUB COLOR | 20 | 00 | Adjusts the color difference signal level of YUVIN 1 |
| 09 | PEAK DRIVE LIMIT | 63 | 43 | Adjustment for the peak drive limit |
| 10 | P.YC DELAY | 15 | 13 | Adjustment for the P.YC delay |
| 11 | SUB TINT | 17 | 09 | Adjusts the center of tint (0 →R 9 →CENTER 17 →G ) |
| 12 | γ CORRECTION | 63 | 63 | Adjustment for the γ correction |

## 5-5-2 LCD Interface IC (CXA1853_A) Adjustment

| No. | Item | Range | Initial value | Description |
|---|---|---|---|---|
| 00 | Gamma gain 1 | 63 | 41 | Adjusts the gain of black side on the gamma curve (R,G.B) |
| 01 | R gamma gain 1 | 63 | 39 | Adjusts the gain of black side on the gamma curve for R |
| 02 | B gamma gain 1 | 63 | 48 | Adjusts the gain of black side on the gamma curve for B |
| 03 | Gamma gain 2 | 63 | 16 | Adjusts the gain of white side on the gamma curve (R,G.B) |
| 04 | R gamma gain 2 | 63 | 36 | Adjusts the gain of white side on the gamma curve for R |
| 05 | B gamma gain 2 | 63 | 36 | Adjusts the gain of white side on the gamma curve for R |
| 06 | Gamma ctrl 2 | 63 | 34 | Adjusts the change point of the white side on the gamma curve (R,G,B). The smaller the value, the more it moves towards white. |
| 07 | Main bright | 63 | 42 | Adjust the DC level of R,G,B signal before doing the gamma adjustment. It determines the change point of the gamma curve. The greater the value, the darker it gets. |
| 08 | R main bright | 63 | 36 | Adjusts the DC level of R before doing the gamma adjustment. It determines the change point of the gamma curve. The greater the value, the darker it gets. |
| 09 | B main bright | 63 | 36 | Adjusts the DC level of B before doing the gamma adjustment. It determines the change point of the gamma curve. The greater the value, the darker it gets. |
| 10 | White limit | 63 | 41 | Adjusts the limiter voltage of white peak of R,G,B video signal (applied to LCD). The greater the value, the lower the limiter voltage becomes. |

## 5-5-3 LCD Interface IC (CXA1853_B) Adjustment

| No. | Item | Range | Initial value | Description |
|---|---|---|---|---|
| 00 | Gamma ctrl 1 off | 63 | 36 | Adjusts the change point of the black side on the gamma curve (R,G,B). The greater the value, the more it moves towards black |
| 01 | Black Stretch On | 36 | 33 | Adjusts the change point of the back side on the (R,G,B) gamma curve. Moves the change point to the white side. The value is always less than the one of the gamma ctrl 1 off. |
| 02 | R gamma ctrl 1 | 63 | 40 | Adjusts the change point of the back side on the gamma curve for R. The greater the value, the more it moves towards black. |
| 03 | B gamma ctrl 1 | 63 | 32 | Adjusts the change point of the black side on the gamma curve for B. The greater the value, the more it moves towards black. |
| 04 | Sub bright | 20 | 10 | Adjusts the brightness of R, G, B after doing the gamma adjustment. No change of the gamma curve. The greater the value, the darker it gets. |
| 05 | R sub bright | 63 | 35 | Adjusts the brightness of R after doing the gamma adjustment. No change on the gamma curve. The greater the value, the darker it gets. |
| 06 | B sub bright | 63 | 42 | Adjusts the brightness of B after doing the gamma adjustment. No change on the gamma curve. The greater the value, the darker it gets. |
| 07 | Common ctrl | 63 | 30 | Adjusts the common voltage (applied to LCD) |
| 08 | Signal center | 63 | 15 | Adjusts the DC level of composite video signals (applied to LCD). Set the signal center to 7V. |
| 09 | Sub contrast | 63 | 47 | Adjusts the gain of R, G, B (applied to LCD). |
| 10 | R sub contrast | 63 | 42 | Adjusts the gain of R (applied to LCD). |
| 11 | B sub contrast | 63 | 34 | Adjusts the gain of B (applied to LCD). |

## 5-5-4 LCD CONTROLLER (CXD2443Q) Adjustment

| No. | Item | Range | Initial value | Description |
|---|---|---|---|---|
| 00 | LCD h pos | 255 | 70 | Determines the start location of horizontal indication by picture element. |
| 01 | LCD v pos | 15 | 3 | Determines the start location of vertical indication (within 1H) |
| 02 | SH position | 15 | 6 | Determines the phase of the sample/hold pulse. |

## 5-5-5 Lamp's Total Hours

| No. | Item | Range | Initial value | Description |
|---|---|---|---|---|
| 00 | lamp total time | 05999 | | Records total elapsed time (from the time where power is first applied). Reset not possible |
| 01 | lamp time | 05999 | | Records total elapsed time (from the point where power is first applied). Reset (using the cancel key). The lamp time is displayed by using the Display key. Reset must be done during the set shipment. Reset must be done after lamp replacement. |

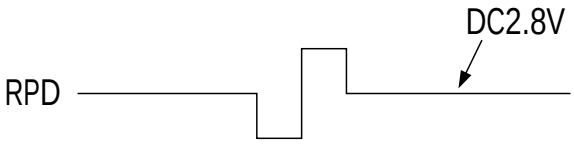
## 5-5-6 Option

| No. | Item | Range | Initial value | Description |
|---|---|---|---|---|
| 00 | Epg | on/off | off | Electronic program guide |
| 01 | Av_link | on/off | on | Av_link |
| 02 | Palplus | on/off | off | - |
| 03 | 27Mhz external | on/off | on | 27Mhz external |
| 04 | 16 : 9 wide | on/off | on | 16 : 9 wide |
| 05 | Dolby prologic | on/off | on | Dolby prologic |
| 06 | 3d sound | on/off | off | 3d sound |
| 07 | S-audio mute | on/off | on | Scart audio mute |
| 08 | Blue screen | on/off | on | Blue screen |
| 09 | UHF only | on/off | off | UHF only |
| 10 | Vga | on/off | off | Vga input |
| 11 | Atm one run | on/off | on | Atm one run ("OFF" for France) |
| 12 | Size key | on/off | off | Size key |
| 13 | Vip option | on/off | on | Vip option |

# 5-6 Circuit Adjustments

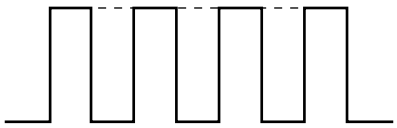
## 5-6-1 LCD Control Board PLL Adjustment

1. Input a color bar signal.
2. Connect CNL06,RPD to an oscilloscope, and check the waveforms.
   (1 V/div, 20 u sec/div)



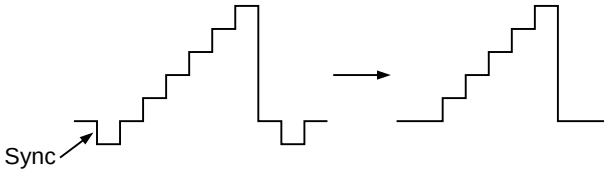

## 5-6-2 Matrix IC (TDA4780) Sub Tint Adjustment

1. Input a color bar signal.
2. Connect CNL07 (B output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 20 u sec/div)



## 5-6-3 Matrix R Output Signal Amplitude Adjustment (Red Drive)

1. Input a 10-step signal (Color OFF).
2. Connect CNL07 (R output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 10 u sec/div)
3. Adjust the red drive so that the signal amplitude becomes 0.7Vp-p.
4. Adjust the Sub-brightness of TDA4780 so that the waveform (without sync) is seen as shown in the figure below.




## 5-6-4 Matrix G Output Signal Amplitude Adjustment (Green Drive)

1. Input a 10-step signal (Color OFF).
2. Connect CNL07 (G output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 10 u sec/div)
3. Adjust the green drive so that the signal amplitude becomes 0.7Vp-p.

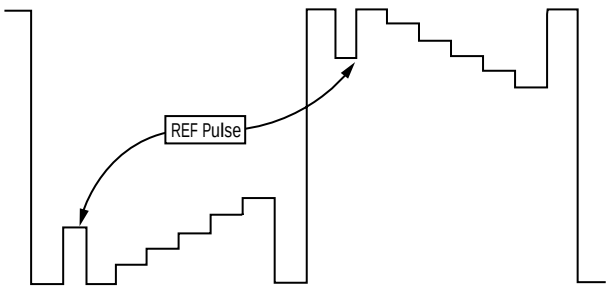
## 5-6- 5 Matrix B Output Signal Amplitude Adjustment (Blue Drive)

1. Input a 10-step signal (Color OFF).
2. Connect CNL07 (B output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 10 u sec/div)
3. Adjust the blue drive so that the signal amplitude becomes 0.7Vp-p.

## 5-6-6 Main Brightness Adjustment

1. Input a 10-step signal (Color OFF).
2. Connect LCD CNL08(R1) input to an oscilloscope, and check the waveform.
   (2 V/div, 10 u sec/div)
3. Adjust the main brightness so that the Ref pulse is positioned on the center of signal.

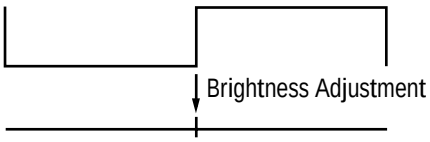
Note : The change point (on gamma curve) is determined by Ref.



### 5-6-7 R Main Brightness & B Main Brightness Adjustments

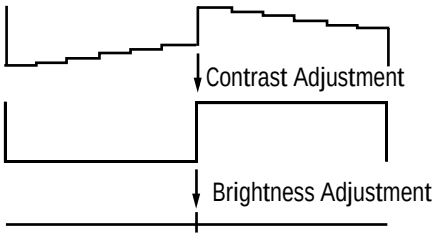
1. Input a 5-step signal (Color OFF).
2. Connect CH1 to LCD G1 input and CH2 to LCD R,B input. (1 V/div, 10 u sec/div)
3. Reverse the CH2 signal, and add CH1 and CH2 in ADD mode.
4. Adjust R,B main brightness for the waveform shown below.

Note: The R,B main brightness adjustment should be done with Gamma Adjustment OFF (gamma ctrl1 = 63, gamma ctrl2 = 17).



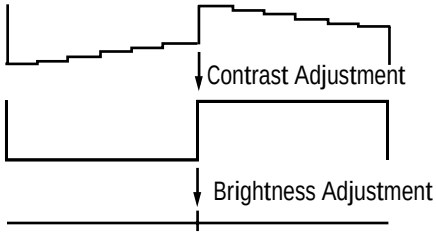

### 5-6-8 R Sub-brightness & R Contrast Adjustments

1. Input a 5-step signal (Color OFF).
2. Connect CH1 to LCD G1 input and CH2 to LCD R1 input. (1 V/div, 10 u sec/div)
3. Reverse the CH2 signal, and add CH1 and CH2 in ADD mode.
4. Adjust R sub-contrast and R sub-brightness waveforms, as shown below:



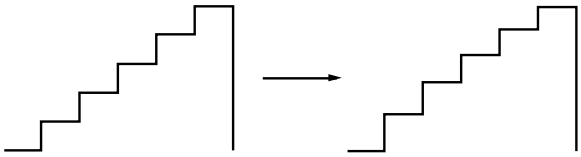

### 5-6-9 B Sub-brightness & B Contrast Adjustments

1. Input a 5-step signal (Color OFF).
2. Connect CH1 to LCD G1 input and CH2 to LCD B1 input. (1 V/div, 10 u sec/div)
3. Reverse the CH2 signal, and add CH1 and CH2 in ADD mode.
4. Adjust B sub-contrast and B sub-brightness waveforms, as shown below:



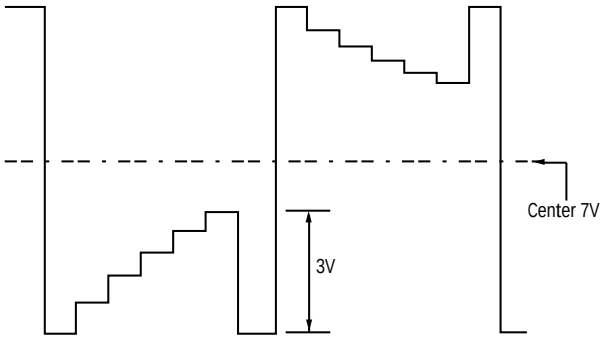

### 5-6-10 Gamma Adjustment

1. Input a 5-step signal (Color OFF).
2. Connect LCD G1 input to an oscilloscope. (2 V/div, 10 u sec/div)
3. Adjust the gamma gain1, gain2 and the gamma ctrl1, crtl2 for the waveform shown below.



### 5-6-11 Sub-Contrast Adjustment

1. Input a 5-step signal (Color OFF).
2. Connect LCD G1 input to an oscilloscope. (2 V/div, 10 u sec/div)
3. Adjust the sub-contrast so that the signal level is 3V, as shown below:




### 5-6-12 Signal Center Adjustment

1. Input a 5-step signal (Color OFF).
2. Connect LCD G1 input to an oscilloscope, and check the waveform. (2 V/div, 10 u sec/div)
3. Set the signal center to 7V.

### 5-6-13 Common Voltage Adjustment

1. Connect LCD COMMON input to an oscilloscope, and check the waveform. (1 V/div, 10 u sec/div)
2. Set the common control to 6.8V.

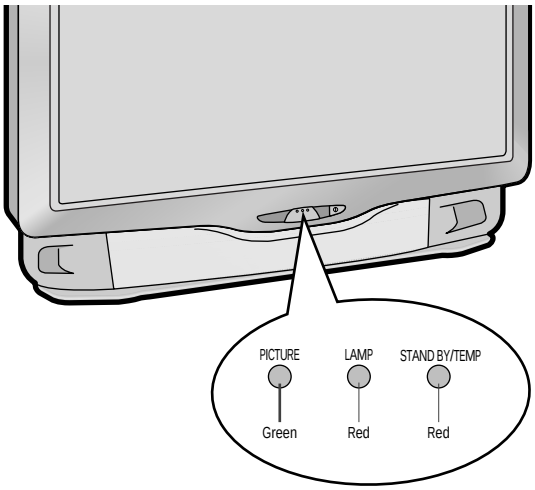
### 5-6-14 White Balance Adjustment

1. Input a lion head pattern from a pattern generator.
2. Adjust the sub-brightness so that the white cannot be saturated.
3. Adjust R,B contrast for the high light of white balance.
4. Adjust R,B sub-brightness when the middle tone is not black and white,but colored. Repeat adjustments 3 ~ 4 for optimum.
5. Adjust gamma crtl1 for adjusting the brightness of the black side.
6. Adjust R,B gamma crtl1 while checking the tone of the black side so that any color is not seen.
7. Repeat adjustments 2 ~ 6, if necessary.

### 5-6-15 Center Convergence Adjustment

1. Input a lion head pattern from a pattern generator.
2. Adjust the LCD Horizontal/Vertical POS.

## 5-7 LED Display Check




◯ : OFF ● : ON ◑ : Blinking

| No | Status | Picture | Lamp | Stand By Temp |
|---|---|---|---|---|
| 1 | Master Power ON (in the Stand-by Mode) | ◯ | ◯ | ● |
| 2 | Normal operation | ● | ● | ◯ |
| 3 | Lamp is warming up.<br>The normal picture comes on after 25 seconds. | ◑<br>◯ | ●<br>or<br>◑ | ◯<br>◯ |
| 4 | Air vent cover in the rear of the TV is not properly installed. | ◯ | ◑ | ◑ |
| 5 | Inside temperature of the TV is over normal. Clean the air vent cover in the rear of the TV. Turn the TV back on after 1 hour.<br>(see below “Temperature”) | ◯ | ◯ | ◑ |
| 6 | The lamp needs to be replaced. | ◑ | ◑ | ◑ |

◆ Temperature

Wen the inside temperature of the TV becomes too high, the TV set is automatically turned off.
You will observe the following.

1. “TEMP” LED is blinking for about 5 ~ 6 seconds.
2. The picture is turned to blue screen and “TEMPERATURE” character blinks for about 5 ~ 6 seconds.
3. The power is turned off and “TEMP” LED is blinking for about 20 seconds.
   (This is not a TV set failure and normal operation)

# 6. Troubleshooting

## 6-1 Service Mode

1. To enter the Service Mode, press the remote-control keys in the following sequence:
   Display → Picture Standard → Mute → Power

2. Use the Channel UP/DOWN keys to move within the Service Mode.

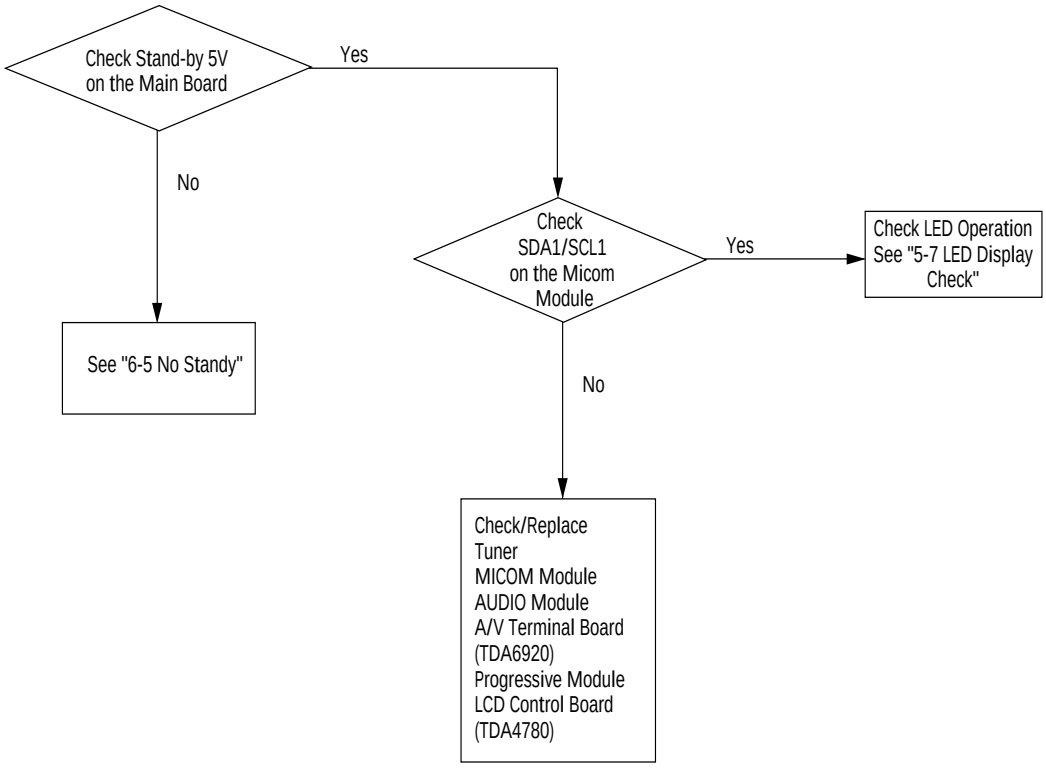
3. Use the Vol (+) key and Vol ( - ) key to change data.

   (1) Press the Vol (+) key to increase data.

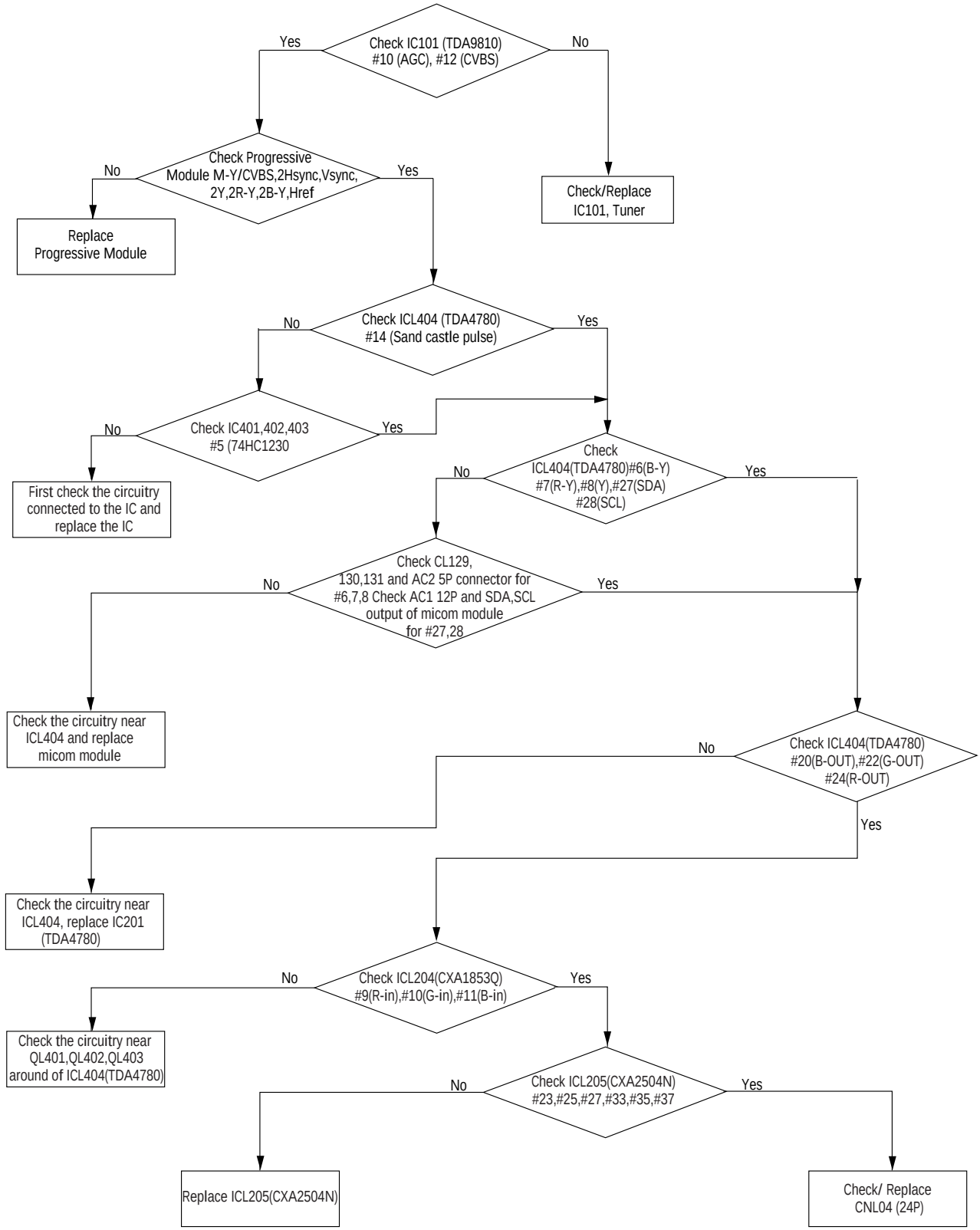
   (2) Press the Vol (-) key to decrease data.

4. Use the Power key to exit and store data in memory.

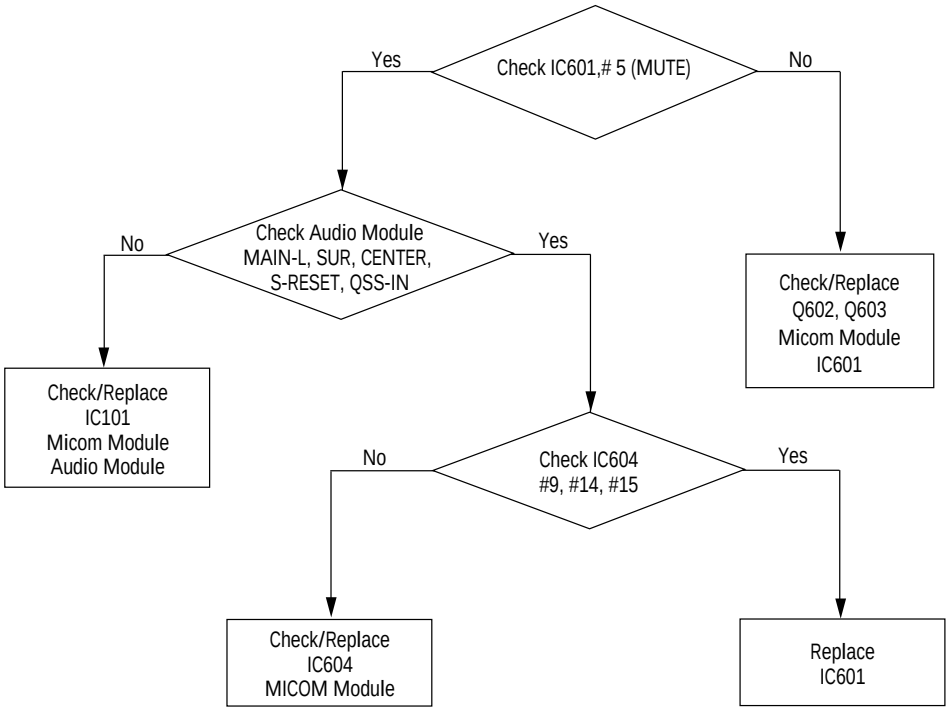
## 6-2 No Power


Check Stand-by 5V on the Main Board
Yes
No
See "6-5 No Standy"
Check SDA1/SCL1 on the Micom Module
Yes
Check LED Operation See "5-7 LED Display Check"
No
Check/Replace
Tuner
MICOM Module
AUDIO Module
A/V Terminal Board (TDA6920)
Progressive Module
LCD Control Board (TDA4780)

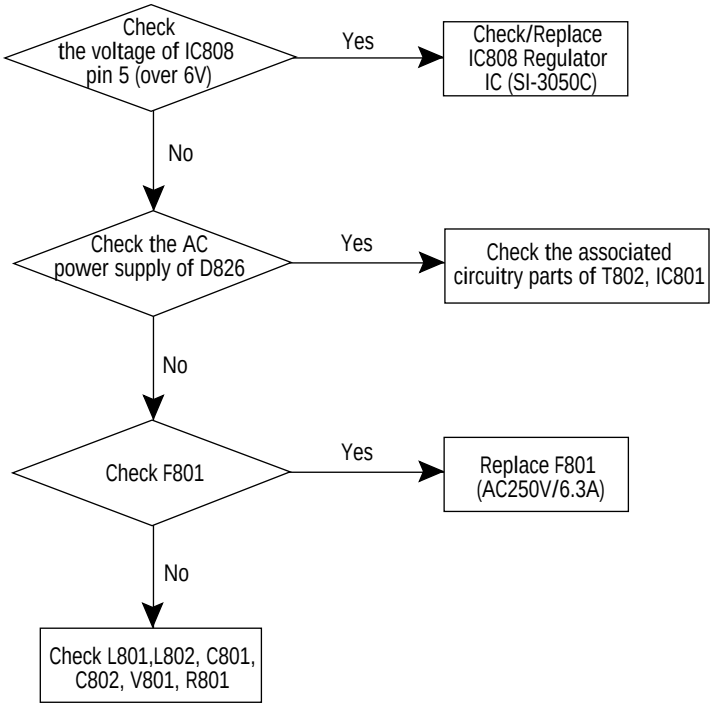
# 6-3 No Picture



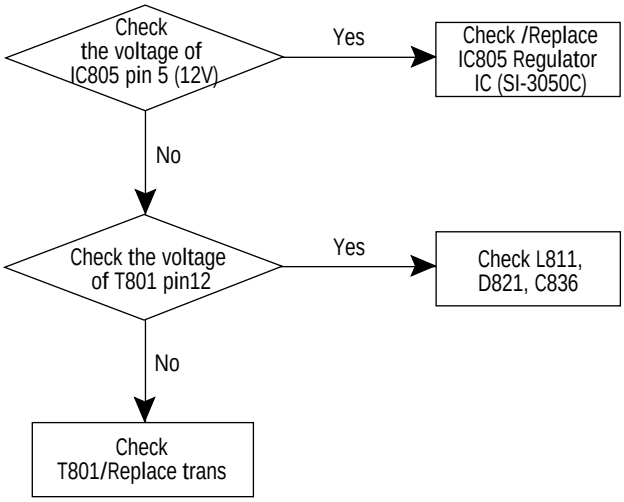
## 6-4 No Sound



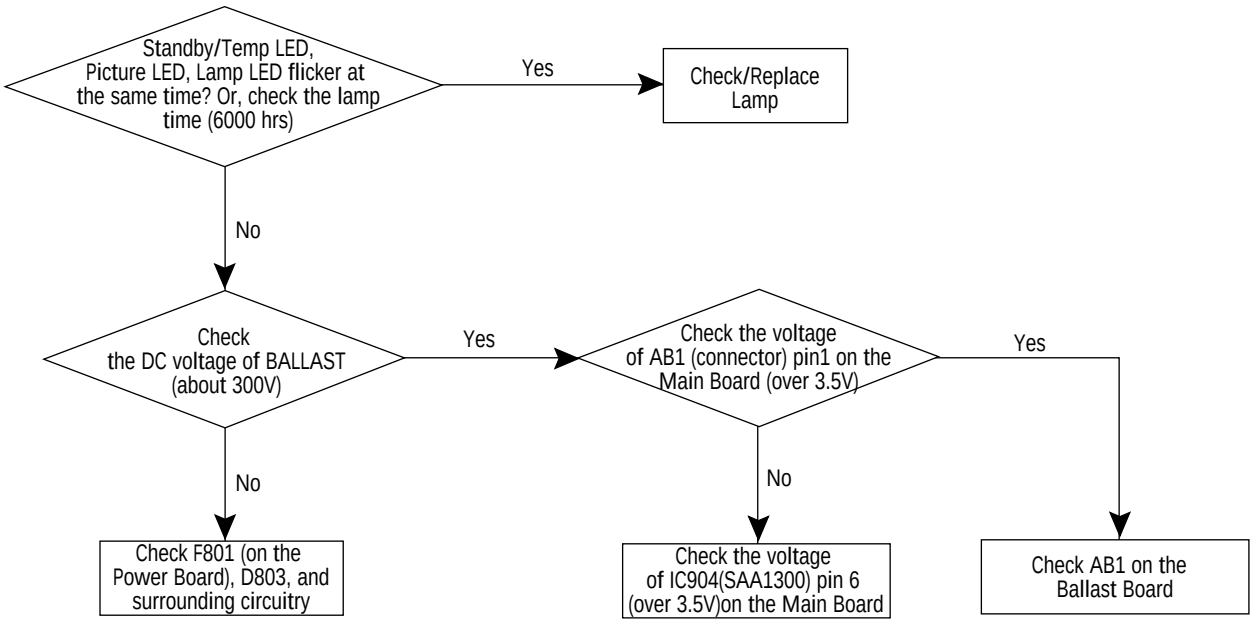

## 6-5 No Standby (+5V)



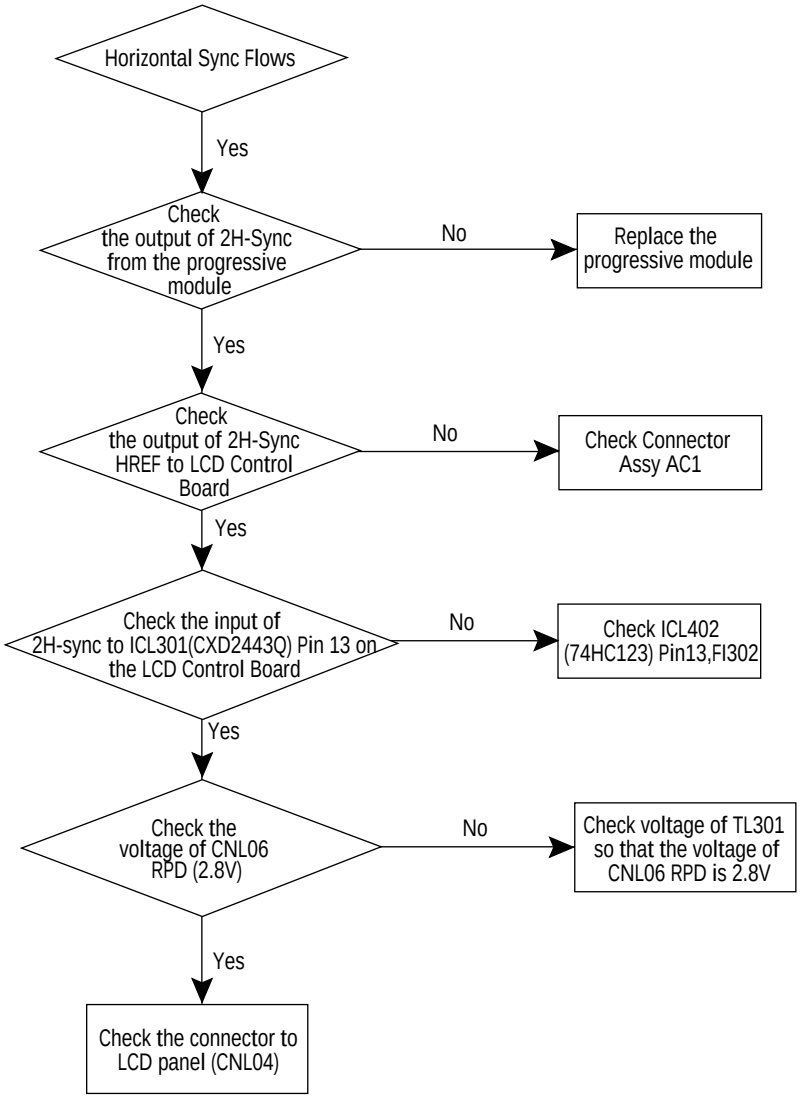
## 6-6 No FAN Voltage (+8V)



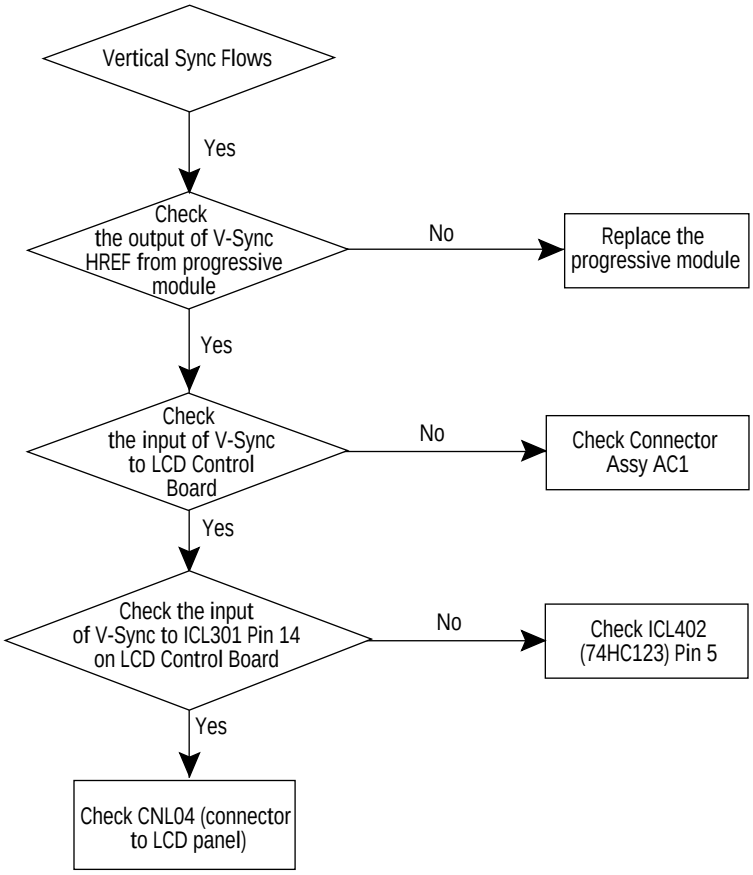

## 6-7 Lamp Does Not Work



## 6-8 Horizontal Sync Flows

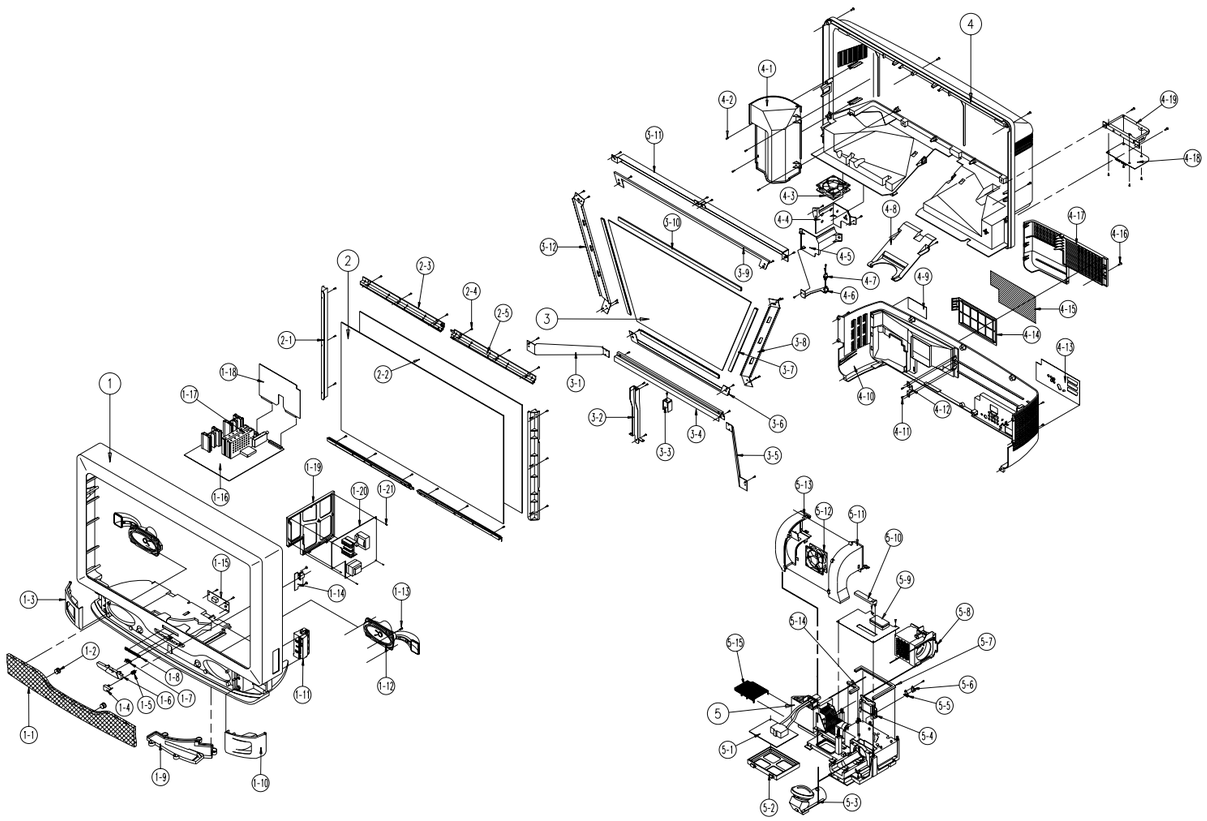

Horizontal Sync Flows
Yes
Check the output of 2H-Sync from the progressive module
No
Replace the progressive module
Yes
Check the output of 2H-Sync HREF to LCD Control Board
No
Check Connector Assy AC1
Yes
Check the input of 2H-sync to ICL301(CXD2443Q) Pin 13 on the LCD Control Board
No
Check ICL402 (74HC123) Pin13,FI302
Yes
Check the voltage of CNL06 RPD (2.8V)
No
Check voltage of TL301 so that the voltage of CNL06 RPD is 2.8V
Yes
Check the connector to LCD panel (CNL04)

## 6-9 Vertical Sync Flows


Vertical Sync Flows
Yes
Check the output of V-Sync HREF from progressive module
No
Replace the progressive module
Yes
Check the input of V-Sync to LCD Control Board
No
Check Connector Assy AC1
Yes
Check the input of V-Sync to ICL301 Pin 14 on LCD Control Board
No
Check ICL402 (74HC123) Pin 5
Yes
Check CNL04 (connector to LCD panel)

# 7. Exploded View & Parts List

## 7-1 SP403JHAX



| No | Code No | Description | Specification | Q'ty | Remark |
|---|---|---|---|---|---|
| 1 | AA91-10308L | ASSY-CABINET,FRONT | -,SPM403JHARX/NWT,PLT51A UKRAINE | 1 | |
| | AA64-30853E | CABINET-FRONT | -,-,DG-703P,HIPS,HB,BLK,-,- | 1 | |
| 1-1 | AA63-30128A | COVER-GRILLE | -,SVP-403J,-,HIPS,HB,BLK,-,- | 1 | |
| 1-2 | AA61-20061A | HOLDER-GRILLE | -,S5288,NEOPRENE,HB,BLK,- | 2 | |
| 1-3 | AA63-30127F | COVER-HORN,L | -,SP403JHAR,-,ABS,HB,BLK, | 1 | |
| 1-4 | AA64-10775A | KNOB-POWER,MASTER | -,SP403JHA,-,PC,-,VIOLET | 1 | |
| 1-5 | AA61-60004N | SPRING-ES | -,SUS304,0.6,OD8.1,H10,N5,-,- | 1 | |
| 1-6 | AA61-20301A | HOLDER-INDICATOR | -,SPM-403J,PC,VO,VIOLET,- | 1 | |
| 1-7 | AA64-40381A | INDICATOR-LED | -,SVP403J,-,ACRYL,HB,CLEAR,- | 1 | |
| 1-8 | AA64-70105A | BADGE-BRAND | AL,SS FLAT,SILVER,L70,-,-,- | 1 | |
| 1-9 | AA63-30177A | COVER-DUCT,BOT | -,SVP40LW,-,HIPS,HB,BLK,-,- | 1 | |
| 1-10 | AA63-30126B | COVER-HORN,R | -,SP403JHA,DG703P,HIPS,HB,BLK, | 1 | |
| 1-11 | AA91-20056C | ASSY-DOOR | -,ABS HB,DG-703P,SPM403J | 1 | |
| 1-12 | AA91-60225A | ASSY-HOLDER,SPK | -,PP,HB,BLK,8R20W,168BR20K | 1 | |
| 1-13 | 6002-000522 | SCREW-TAPPING | TH,+,2,M4,L15,ZPC(BLK),SWRCH18 | 8 | |
| 1-14 | AA95-90032Z | ASSY-PCB,MASTER | -,SP-403JHA,PLT51A,EC,-,- | 1 | |
| 1-15 | AA95-90032Y | ASSY-PCB,REMOCON | -,SP-403JHA,PLT51A,EC,-,- | 1 | |
| 1-16 | AA94-00724A | ASSY-PCB,MAIN(OPT) | SP403JHARX/NWT,PLT51A,UKRANINE- | 1 | |
| 1-17 | AA95-90031M | ASSY-PCB,MICOM | -,SPT-403J,PLT51A,PAL,-,- | 1 | |
| 1-18 | AA95-90031J | ASSY-AV,TERMINAL | -,SP403JHA,PLT51A,-,-,EU | 1 | |
| 1-19 | AA61-20217A | HOLDER-CHASS/POWER | ABS VO GRAY | 1 | |
| 1-20 | AA95-10010X | ASSY-PCB,POWER | SP-403JHA,PLT51A,40,-,EC,- | 1 | |
| 1-21 | AA60-10008A | SCREW-TAPPING | TH,+,M3,L10,ZPC(YEL),SWRCH185 | | |
| 2 | AA67-70049A | SUN-SCREEN | -,SVP-403J,P=0.72,PMMA,-,T=3.0 | 1 | |
| 2-1 | AA61-20215B | HOLDER-SCREEN,S | -,S40LW,HIPS,HB,BLK,- | 2 | |
| 2-2 | AA67-70051A | SCREEN-TINT | -,SVP-403J,P=0.72,PMMA,-,T=3.0 | 1 | |
| 2-3 | AA61-20214B | HOLDER-SCREEN,T | -,SVP403J,HIPS,HB,BLK,- | 2 | |
| 2-4 | 6002-000522 | SCREW-TAPPING | TH,+,2,M4,L15,ZPC(BLK),SWRCH18 | 18 | |
| 2-5 | AA61-20215A | HOLDER-SCREEN,T | -,SVP403J,HIPS,HB,BLK,- | 2 | |
| 3 | AA67-20024A | MIRROR-FRONT | 40,GLASS,3,-,SURFACE,779x460x | 1 | |
| 3-1 | AA61-10341A | BRACKET-MIRROR,SUP | -,SVP-403J,SECC-1,T1.6,BLK,RIG | 1 | |
| 3-2 | AA61-10371A | BRACKET-BACK,SUP(A) | -,SVP-403J,SECC-1,T1.2,BLK,-,- | 1 | |
| 3-3 | AA61-10344A | BRACKET-BACK,BOT | -,SVP-403J,SECC-1,T1.2,BLK,-,- | 1 | |
| 3-4 | AA61-10337A | BRACKET-BACK,TOP | -,SVP-403J,SECC-1,T1.2,BLK,-,- | 1 | |
| 3-5 | AA61-10340A | BRACKET-MIRROR,SUP | -,SVP-403J,SECC-1,T1.6,BLK,LEF | 1 | |
| 3-6 | AA61-10338A | BRACKET-MIRROR,BOT | -,SVP-403J,SECC-1,T1.2,BLK,-,- | 1 | |
| 3-7 | AA63-60052G | SPACER-MIRROR | PVC,HB,BLK,390,SVP403J,- | 3 | |
| 3-8 | AA61-10342A | BRACKET-MIRROR,SIDE | -,SVP-403J,SECC-1,T1.6,BLK,LEF | 1 | |
| 3-9 | AA61-10339A | BRACKET-MIRROR,TOP | -,SVP-403J,SECC-1,T1.2,BLK,-,- | 1 | |
| 3-10 | AA63-60052F | SPACER-MIRRORPVC | -,-,BLK,HB 720,SVP-403J,- | 1 | |
| 3-11 | AA61-10323A | BRACKET-FRONT,T | -,SVP-403J,SECC-1,T1.2,BLK,-,- | 1 | |
| 3-12 | AA61-10343A | BRACKET-MIRROR,SIDE | -,SVP-403J,SECC-1,T1.6,BLK,RIG | 1 | |
| 4 | AA64-30854B | CABINET-B/TOP | HIPS V2 GRAY | 1 | |
| 4-1 | AA63-30130A | COVER-DUCT | -,SVP403J,-,HIPS,V0,BLK,-,- | 1 | |
| 4-2 | 6002-000522 | SCREW-TAPPING | TH,+,2,M4,L15,ZPC(BLK),SWRCH18 | 4 | |
| 4-3 | AA91-20069A | ASSY-DUCT,IN | -,VO,FAN,SVP403J | 1 | |
| 4-4 | AA63-30180A | COVER-DUCT,OUT,R | -,SVP-403J,-,HIPS,VO,BLK,-,- | 1 | |
| 4-5 | AA63-30181A | COVER-DUCT,OUT,L | -,SVP-403J,-,HIPS,VO,BLK,-,- | 1 | |
| 4-6 | AA61-11006A | BRACKET-LAMP | -,SVP-403J,SECC-1,T1.0,-,-,- | 1 | |
| 4-7 | 4712-000121 | THERMOSTAT | 125V/250V,15A/7.5A,95+-5C,85+- | 1 | |
| 4-8 | AA63-30176A | COVER-LENS,A | -,SVP-403J,-,HIPS,VO,BLK,-,- | 1 | |
| 4-9 | AA64-60411B | INLAY-LAMP | SPT-403J,-,PS,T0.5,BLK,-,- | 1 | |
| 4-10 | AA64-31012B | CABINET-BACK,BO | T-,SPM-403J,-,HIPS,V2,GRAY,-,- | 1 | |
| 4-11 | 6002-000522 | SCREW-TAPPING | TH,+,2,M4,L15,ZPC(BLK),SWRCH18 | 2 | |
| 4-12 | AA61-10379A | BRACKET-COVER | -,SVP403J,SECC,T1.0,-,-,- | 1 | |
| 4-13 | AA64-60442A | INLAY-TERMINAL,PAL | SPM-403J,-,PS,T0.5,BLK,-,- | 1 | |
| 4-14 | AA61-20253A | HOLDER-SPONGE,A | -,SVP-403J,ABS,HB,BLK,- | 1 | |
| 4-15 | AA63-60112B | SPACER-SPONGE,DUCT | PU FORM,T5,BLK,-,SVP403J,- | 1 | |
| 4-16 | AA60-10050K | SCREW-MACHINE | FH,M4,L15.5,ZPC(BLK),SWRC | 1 | |
| 4-17 | AA63-30183B | COVER-FAN,A | -,SPM-403J,-,HIPS,V2,GRAY,-,- | 1 | |
| 4-18 | AA95-90033C | ASSY-PCB,PFC | -,SP-403JHA,PLT51A,EC,-,- | 1 | |
| 4-19 | AA61-11005 | BRACKET-PFC | SP403J | 1 | |
| 5 | AA91-20057A | ASSY-LENS,MECHA | -,-,DS001AKB-61B,SVP-403J | 1 | |
| 5-1 | | BALLAST-PCB | | | |
| 5-2 | AA61-20252A | HOLDER-CHASSIS | -,ABS,VO,GRY,-,SVP-403J | 1 | |
| 5-3 | AA07-10002A | LCD | SP403J | 1 | |
| 5-4 | AA95-90033B | ASSY-PCB,LCD CONTROL | -,SP-403JHA,PLT51A,EC,-,- | 1 | |
| 5-5 | AA61-10185A | BRACKET-SENSOR | -,L3300,SECC,T1.0,-,-,- | 1 | |
| 5-6 | 3409-000178 | SWITCH-LEVER | 12V,100mA,SPDT,-,27deg | 1 | |
| 5-7 | AA63-60123A | SPACE-SPONGE,LCD | SPONGE,VO,BLK | 1 | |
| 5-8 | | ASSY-LAMP | | | |
| 5-9 | AA95-90033B | ASSY-PCB,LCD CONTROL | -,SP-403JHA,PLT51A,EC,-,- | 1 | |
| 5-10 | AA63-30223A | COVER-LCD | ABS VO BLK | 1 | |
| 5-11 | AA63-30178A | COVER-DUCT,IN,R | -,SVP-403J,-,HIPS,VO,BLK,-,- | 1 | |
| 5-12 | AA91-20069A | ASSY-DUCT,IN | -,VO,FAN,SVP403J | 1 | |
| 5-13 | AA63-30179A | COVER-DUCT,IN,L | -,SVP-403J,-,HIPS,VO,BLK,-,- | 1 | |
| 5-14 | AA63-60123B | SPACE-SPONGE,LCD | SPONGE,VO,BLK | 1 | |
| 5-15 | AA63-50351A | GRILLE-LAMP | SECC-1 T0.5 | 1 | |

# 8. Electric Parts List

## 8-1 SP403JHAX Parts List

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| | | **ASSY-PCB,MAIN(OPT)** | |
| | | BUYER : SRSC | |
| * | AA94-00274A | ASSY-PCB,MAIN(OPT);SP403JHARX/NWT, PLT51A,UKRAI | |
| | | BUYER : AMFO | |
| * | AA94-10148Y | SSY-PCB,MAIN(OPT);SP403JHAX/AMF,PLT51A,NETHERAN | |
| | | BUYER : ANA | |
| * | AA94-10149H | ASSY-PCB,MAIN(OPT);SP403JHAX/ANA,PLT51A,RUMA | |
| | | BUYER : ATR | |
| * | AA94-10149F | ASSY-PCB,MAIN(OPT);SP403JHAX/ATR,PLT51A,SWISS,- | |
| | | BUYER : BOB | |
| * | AA94-10149J | ASSY-PCB,MAIN(OPT);SP403JHAX/BOB,PLT51A,BULGARIA, | |
| | | BUYER : NSI | |
| * | AA94-10148W | ASSY-PCB,MAIN(OPT);SP403JHAX/NSI,PLT51A,DEN | |
| | | BUYER : ELS | |
| * | AA94-10149A | ASSY-PCB,MAIN(OPT);SP403JHAX/ELS,PLT51A,AUSTRIA,- | |
| | | BUYER : EUP | |
| * | AA94-10149E | ASSY-PCB,MAIN(OPT);SP403JHAX/EUP,PLT51A,CROATIA,- | |
| | | BUYER : INT | |
| * | AA94-10149G | ASSY-PCB,MAIN(OPT);SP403JHAX/INT,PLT51A,SLOVENIA, | |
| | | BUYER : XEC | |
| * | AA94-10148U | ASSY-PCB,MAIN(OPT);SP403JHAX/XEC,PLT51A,SPAIN,- | |
| | | BUYER : XEF | |
| * | AA94-10143R | ASSY-PCB,MAIN(OPT);SP-403JHAX/XEF,PLT51A,FRANCE,- | |
| | | BUYER : XEH | |
| * | AA94-10149D | ASSY-PCB,MAIN(OPT);SP403JHAX/XEH,PLT51A,HUNGARY,- | |
| | | BUYER : XEO | |
| * | AA94-10149C | ASSY-PCB,MAIN(OPT);SP403JHAX/XEO,PLT51A,POLAND,- | |
| | | BUYER : XEU | |
| * | AA94-10148S | ASSY-PCB,MAIN(OPT);SP403JHAX/XEU,PLT51A,U.K,- | |
| | | BUYER : SEI | |
| * | AA94-10148T | ASSY-PCB,MAIN(OPT);SP403JHAX/XET,PLT51A,ITALY,- | |
| AB1 | 3711-002642 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| AF1 | 3711-002642 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| AF3 | 3711-002642 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| AF4 | 3711-002642 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| AT1 | 3711-002642 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| C101 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C103 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C104 | 2401-000660 | C-AL;2.2uF,20%,50V,GP,TP,5x11,5 | |
| C105 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C107 | 2305-000289 | C-FILM,MPEF;220nF,5%,63V,TP,-,5mm | |
| C108 | 2401-000667 | C-AL;2.2uF,20%,50V,WT,TP,5x11,5 | |
| C109 | 2401-002300 | C-AL;47uF,20%,50V,GP,TP,6.3x11,5 | |
| C111 | 2201-000292 | C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5 | |
| C112 | 2401-000947 | C-AL;22uF,20%,35V,GP,TP,5x11,5 | |
| C113 | 2201-000180 | C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3,5 | |
| C114 | 2201-000292 | C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5 | |
| C115 | 2201-000180 | C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3,5 | |
| C116 | 2401-001176 | C-AL;33uF,20%,25V,GP,TP,5x11,5 | |
| C117 | 2201-000982 | C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,6.5x3, | |
| C119 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C120 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C121 | 2401-002300 | C-AL;47uF,20%,50V,GP,TP,6.3x11,5 | |
| C267 | 2201-000146 | C-CERAMIC,DISC;100pF,5%,50V,SL,TP,5x3,5 | |
| C270 | 2201-000375 | C-CERAMIC,DISC;220pF,5%,50V,RH,TP,9.5x3.0,5 | |
| C290 | 2201-000376 | C-CERAMIC,DISC;220pF,5%,50V,SL,TP,4x4,5 | |
| C296 | 2201-000558 | C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,5 | |
| C603 | 2401-000192 | C-AL;1000uF,20%,50V,GP,TP,16x25,7.5 | |
| C604 | 2301-000530 | C-FILM,PEF;100nF,5%,100V,TP,11.5x12.5x6.5 | |
| C605 | 2401-000192 | C-AL;1000uF,20%,50V,GP,TP,16x25,7.5 | |
| C606 | 2301-000530 | C-FILM,PEF;100nF,5%,100V,TP,11.5x12.5x6.5 | |
| C607 | 2401-000192 | C-AL;1000uF,20%,50V,GP,TP,16x25,7.5 | |
| C608 | 2301-000530 | C-FILM,PEF;100nF,5%,100V,TP,11.5x12.5x6.5 | |
| C609 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| C610 | 2401-000318 | C-AL;100uF,20%,25V,LZ,TP,8x11.5,5 | |
| C611 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| C621 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C622 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C623 | 2301-000530 | C-FILM,PEF;100nF,5%,100V,TP,11.5x12.5x6.5 | |
| C624 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| C629 | 2401-000962 | C-AL;22uF,20%,50V,GP,TP,5x11,5 | |
| C633 | 2401-000480 | C-AL;10uF,20%,50V,GP,TP,5x11,5 | |
| C634 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C635 | 2401-000480 | C-AL;10uF,20%,50V,GP,TP,5x11,5 | |
| C636 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C637 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C638 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C639 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C831 | 2401-002286 | C-AL;470uF,20%,16V,WT,TP,10x12.5,5 | |
| C832 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C833 | 2401-003034 | C-AL;220uF,20%,16V,WT,TP,8x11.5,5 | |
| C835 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C836 | 2401-002286 | C-AL;470uF,20%,16V,WT,TP,10x12.5,5 | |
| C837 | 2401-002286 | C-AL;470uF,20%,16V,WT,TP,10x12.5,5 | |
| C838 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C839 | 2401-003034 | C-AL;220uF,20%,16V,WT,TP,8x11.5,5 | |
| C840 | 2401-003034 | C-AL;220uF,20%,16V,WT,TP,8x11.5,5 | |
| C841 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C842 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C843 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C851 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C852 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C863 | 2401-001397 | C-AL;470uF,20%,25V,GP,TP,10x16,5 | |
| C864 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C866 | 2401-002273 | C-AL;220uF,20%,25V,HR,TP,10x20mm,5m | |
| C870 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C901 | 2305-000665 | C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm, | |
| C902 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| C903 | 2301-000383 | C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm | |
| C904 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C905 | 2301-000452 | C-FILM,PEF;47nF,5%,50V,TP,8x11x4.5mm,5mm | |
| CN704A | 3710-001208 | CONNECTOR-SOCKET;32P,2R,2.54mm,STRAIGHT,AUF | |
| CN705A | 3710-001208 | CONNECTOR-SOCKET;32P,2R,2.54mm,STRAIGHT,AUF | |
| CNM01 | 3711-002645 | CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN | |
| CNM02 | 3711-003641 | CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN | |
| CNM08 | 3711-001054 | CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN | |
| CNM09 | 3711-003641 | CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN | |
| CNM09A | AA39-20032C | LEAD-CONNECTOR,ASSY;-,67096-012,S,12P,400,1007#26 | |
| CNM10 | 3711-002645 | CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN | |
| CNM10A | AA39-20038D | LEAD-CONNECTOR,ASSY;-,67096-006,S,6P,300,1185#26 | |
| CNM11 | 3711-002641 | CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAIGHT,Sn | |
| CNM11A | AA39-20025E | LEAD-CONNECTOR,ASSY;-,67096-010,S,10P,400,1007#26 | |
| CNM12 | 3711-000900 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| CNM13 | 3711-002643 | CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGHT,SN | |
| CNM14 | 3711-003359 | CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIGHT,SN | |
| CNM15 | 3711-000392 | CONNECTOR-HEADER;3WALL,10P,1R,2.5mm,STRAIGHT,- | |
| D101 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D103 | 0401-001024 | DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP | |
| D104 | 0401-001024 | DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP | |
| D601 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D602 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D603 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D901 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D902 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| DZ102 | 1203-000451 | IC-VOLTAGE REGULATOR;33,TO-92,3P,-,PLASTIC,31/35V,2 | |
| DZ201 | 0403-000297 | DIODE-ZENER;MTZ6.2B,6.2V,5.96-6.27V,500mW, | |
| DZ202 | 0403-000297 | DIODE-ZENER;MTZ6.2B,6.2V,5.96-6.27V,500mW, | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| DZ203 | 0403-000296 | DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW, | |
| DZ205 | 0403-000296 | DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW, | |
| DZ601 | 0403-000654 | DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500mW, | |
| DZ602 | 0403-000654 | DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500mW, | |
| DZ603 | 0403-000654 | DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500mW, | |
| DZ604 | 0403-000654 | DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500mW, | |
| FI102 | 2904-000301 | FILTER-SAW AV;38.90MHz,SIP5K,ST,14.5dB,PAL-B | |
| FI103 | 2903-000181 | FILTER-CERAMIC;TR,5.5MHz,-,-,-,TP,TPS5.5MB-TF | |
| FI105 | 2904-000302 | FILTER-SAW AV;38.90MHz,-,ST,13.9dB,PAL-B/G,- | |
| ⚠ IC101 | 1204-001276 | IC-SOUND PROCESSOR;TDA9810T,DIP,24P,400MIL,PLASTI | |
| ⚠ IC601 | 1201-001026 | IC-POWER AMP;7265,ZIP,11P,19.6MIL,DUAL,1000 | |
| ⚠ IC604 | 0801-000961 | IC-CMOS LOGIC;4053,MUTIPLEXER,DIP,16P,300MIL | |
| ⚠ IC802 | 1203-000203 | IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1. | |
| ⚠ IC803 | 1203-000203 | IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1. | |
| ⚠ IC805 | 1203-000293 | IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLASTIC,7.7/8 | |
| ⚠ IC806 | 1203-000298 | IC-POSI.FIXED REG.;7809,TO-220,3P,-,PLASTIC,8.65/ | |
| ⚠ IC904 | 1001-001038 | IC-ANALOG SWITCH;SAA1300,-,SOT-142,9P,-,SINGLE, | |
| ⚠ IC905 | 0904-001121 | IC-I/O SUPPORT CHIP;8574,8BIT,DIP,16P,300MIL,100KH | |
| J295 | 2001-000812 | R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| L101 | AA26-10006G | TRANS-IF;-,7mG,VIF,-,7mm,8pF,77.8MHz,ST | |
| L104 | 2701-000101 | INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm | |
| L105 | 2701-000120 | INDUCTOR-AXIAL;12uH,10%,2.5x3.4mm | |
| L106 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L107 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L108 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L109 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L110 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L113 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L276 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L277 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L278 | 2701-000146 | INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm | |
| L279 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L280 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L601 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L602 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L901 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| Q101 | 0504-000137 | TR-DIGITAL;KSR1202,PNP,300mW,10K-10K,TO-9 | |
| Q102 | 0504-000123 | TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP | |
| Q104 | 0504-000123 | TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP | |
| Q105 | 0501-000389 | TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,TP,120- | |
| Q602 | 0504-000123 | TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP | |
| Q603 | 0504-000123 | TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP | |
| Q901 | 0501-000389 | TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,TP,120- | |
| Q902 | 0504-000117 | TR-DIGITAL;KSR1002,NPN,300mW,10K-10K,TO-9 | |
| Q903 | 0504-000117 | TR-DIGITAL;KSR1002,NPN,300mW,10K-10K,TO-9 | |
| Q904 | 0504-000117 | TR-DIGITAL;KSR1002,NPN,300mW,10K-10K,TO-9 | |
| Q905 | 0501-000283 | TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,TP,120- | |
| R101 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R102 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R105 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R106 | 2001-000660 | R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R107 | 2001-000331 | R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R109 | 2001-000490 | R-CARBON;200ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R110 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R111 | 2001-000515 | R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R113 | 2001-001138 | R-CARBON(S);390ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R116 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R121 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R122 | 2001-000857 | R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R123 | 2001-000241 | R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R124 | 2001-000241 | R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R125 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R126 | 2001-000362 | R-CARBON;150ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R258 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R259 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R268 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R269 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R270 | 2001-000302 | R-CARBON;10ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R601 | 2001-001055 | R-CARBON(S);1.8Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R602 | 2001-001055 | R-CARBON(S);1.8Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R603 | 2001-001146 | R-CARBON(S);4.7ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R604 | 2001-001055 | R-CARBON(S);1.8Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R605 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R606 | 2001-001146 | R-CARBON(S);4.7ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R607 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R608 | 2001-000628 | R-CARBON;300ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R609 | 2001-000628 | R-CARBON;300ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R621 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R622 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R623 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R624 | 2001-000273 | R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R626 | 2001-000522 | R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R630 | 2001-001055 | R-CARBON(S);1.8Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R631 | 2001-000109 | R-CARBON(S);470ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R901 | 2001-000577 | R-CARBON;2Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R902 | 2001-000577 | R-CARBON;2Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R903 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R904 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R905 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R906 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R907 | 2001-000273 | R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R908 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R909 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R910 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R911 | 2001-001097 | R-CARBON(S);2.4Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R912 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R913 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R914 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R915 | 2001-000109 | R-CARBON(S);470ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R916 | 2001-000109 | R-CARBON(S);470ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R917 | 2001-000109 | R-CARBON(S);470ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R925 | 2001-000734 | R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R926 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R927 | 2001-000290 | R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R928 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R929 | 2001-000281 | R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R930 | 2001-000429 | R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R933 | 2001-000812 | R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| TU01 | AA40-10005P | TUNER-B/S;TELE9-042A,PAL-B/G,TR,181 CH | |
| VR101 | 2103-000672 | VR-SEMI;20Kohm,25%,1/5W,TOP | |
| VR102 | 2103-000676 | VR-SEMI;50Kohm,25%,1/5W,TOP | |

## ASSY-PCB,POWER

| | | | |
|---|---|---|---|
| * | AA95-10010X | ASSY-PCB,POWER;SP-403JHA,PLT51A,40,-,EC,- | |
| C801 | 2306-000321 | C-FILM,MPPF;470nF,5%,275V,TP,-,22.5mm | |
| C802 | 2306-000321 | C-FILM,MPPF;470nF,5%,275V,TP,-,22.5mm | |
| C804 | 2201-000315 | C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,TP,9x | |
| C805 | 2201-000315 | C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,TP,9x | |
| C807 | 2401-003031 | C-AL;470uF,20%,450V,GP,BK,35x45mm,1 | |
| C816 | 2303-000159 | C-FILM,PPF;2.2nF,5%,1.6KV,BK,31x15.5x8.5, | |
| C817 | 2401-002289 | C-AL;470uF,20%,35V,WT,TP,10x20,5 | |
| C818 | 2401-000851 | C-AL;220uF,20%,35V,HR,TP,13x25,5 | |
| C819 | 2301-000192 | C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm | |
| C820 | 2401-002262 | C-AL;10uF,20%,160V,WT,TP,10x20,5 | |
| C823 | 2201-000551 | C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5 | |
| C824 | 2401-000737 | C-AL;2200uF,20%,50V,GP,TP,18x35.5,7 | |
| C825 | 2401-000192 | C-AL;1000uF,20%,50V,GP,TP,16x25,7.5 | |
| C826 | 2201-000551 | C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5 | |
| C827 | 2401-002231 | C-AL;470uF,20%,50V,WT,TP,13x20mm,5m | |
| C828 | 2401-001115 | C-AL;330uF,20%,25V,GP,TP,10x12.5,5 | |
| C829 | 2401-001115 | C-AL;330uF,20%,25V,GP,TP,10x12.5,5 | |
| C830 | 2201-000551 | C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5 | |
| C831 | 2401-000136 | C-AL;1000uF,20%,16V,LZ,TP,13x20,5 | |
| C832 | 2401-000689 | C-AL;2200uF,20%,16V,GP,TP,13x25,5 | |
| C833 | 2201-000551 | C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5 | |
| C834 | 2401-001661 | C-AL;68uF,20%,100V,GP,TP,10x16,5 | |
| C835 | 2401-000384 | C-AL;10uF,20%,100V,GP,TP,6.3x11,5mm | |
| C836 | 2201-000551 | C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5 | |
| C837 | 2401-002215 | C-AL;2200uF,20%,25V,WT,TP,13x25,5 | |
| C838 | 2401-000703 | C-AL;2200uF,20%,25V,GP,-,12.5x25mm, | |
| C839 | 2401-001397 | C-AL;470uF,20%,25V,GP,TP,10x16,5 | |
| C840 | 2305-000412 | C-FILM,MPEF;470nF,5%,63V,TP,-,5mm | |
| C841 | 2201-000332 | C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,11x7,7 | |
| C842 | 2201-000332 | C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,11x7,7 | |
| C843 | 2401-001563 | C-AL;47uF,20%,400V,GP,TP,16x25,7.5 | |
| C844 | 2401-002292 | C-AL;47uF,20%,25V,WT,TP,8X11,5 | |
| C845 | 2401-001363 | C-AL;470uF,20%,16V,GP,TP,10x12.5,5 | |
| C846 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11,5 | |
| C847 | 2401-002594 | C-AL;220uF,20%,16V,GP,TP,8x11.5,5 | |
| C848 | 2201-000556 | C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4,5 | |
| C849 | 2401-000611 | C-AL;1uF,20%,50V,WT,TP,5x11,5 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| C850 | 2401-002215 | C-AL;2200uF,20%,25V,WT,TP,13x25,5 | |
| C851 | 2401-002215 | C-AL;2200uF,20%,25V,WT,TP,13x25,5 | |
| C852 | 2401-001333 | C-AL;470nF,20%,50V,GP,TP,5x11,5 | |
| C853 | 2401-001333 | C-AL;470nF,20%,50V,GP,TP,5x11,5 | |
| C854 | 2201-000990 | C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,7x16,10m | |
| C855 | 2201-000990 | C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,7x16,10m | |
| CNP01 | 3711-002645 | CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN | |
| CNP01A | AA39-20027C | LEAD-CONNECTOR,ASSY;-,67096-006,S,6P,500,1007#26 | |
| CNP02 | 3711-003641 | CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN | |
| CNP02A | AA39-20032E | LEAD-CONNECTOR,ASSY;-,67096-012,S,12P,600,1007#26 | |
| CNP03 | 3711-002647 | CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGHT,SN | |
| CNP03A | AA39-20030D | LEAD-CONNECTOR,ASSY;-,67096-008,S,8P,600,1007#26 | |
| D803 | 0402-000549 | DIODE-BRIDGE;RBV606,600V,6A,-,BK | |
| D808 | 0402-000213 | DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41,TP | |
| D811 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D812 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D813 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D814 | 0403-000704 | DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-41 | |
| D815 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D816 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D817 | 0402-000233 | DIODE-RECTIFIER;FML-G12S,200V,5A,-,- | |
| D818 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D819 | 0402-000233 | DIODE-RECTIFIER;FML-G12S,200V,5A,-,- | |
| D820 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D821 | 0402-000233 | DIODE-RECTIFIER;FML-G12S,200V,5A,-,- | |
| D822 | 0403-000656 | DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500mW, | |
| D823 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D825 | 0402-000132 | DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP | |
| D826 | 0402-000102 | DIODE-BRIDGE;D2SB60,600V,1.5A,- | |
| D827 | 0406-001007 | DIODE-TVS;P6KE180A,171/180/189V,600W,CAS | |
| D828 | 0402-000243 | DIODE-RECTIFIER;RC2-V1,2000V,0.2A,DO-201 | |
| D829 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D830 | 0402-000534 | DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,TP | |
| D831 | 0402-000546 | DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP | |
| D832 | 0402-000233 | DIODE-RECTIFIER;FML-G12S,200V,5A,-,- | |
| ⚠ F801 | 3601-001007 | FUSE-FERRULE;250V,6.3A,TL,GLASS,5.2x20mm | |
| F801A | 3602-000114 | FUSE-HOLDER;-,-,30mohm | |
| F801B | 3602-000114 | FUSE-HOLDER;-,-,30mohm | |
| ⚠ F802 | 3601-000261 | FUSE-FERRULE;250V,3.15A,TL,GLASS,5.2x20mm | |
| F802A | 3602-000114 | FUSE-HOLDER;-,-,30mohm | |
| F802B | 3602-000114 | FUSE-HOLDER;-,-,30mohm | |
| ⚠ F803 | 3601-000261 | FUSE-FERRULE;250V,3.15A,TL,GLASS,5.2x20mm | |
| F803A | 3602-000114 | FUSE-HOLDER;-,-,30mohm | |
| F803B | 3602-000114 | FUSE-HOLDER;-,-,30mohm | |
| ⚠ F805 | 3601-001086 | FUSE-FERRULE;125V,5A,FA,GLASS,2.4x7.5mm | |
| ⚠ IC802 | AA13-20002K | IC-HYBRID;-,STR-S6709 LF953,SIP,9P,SMPS | |
| ⚠ IC803 | 1203-001583 | IC-SWITCH VOL. REG.;801,SIP,10P,157MIL,PLASTIC,5/9 | |
| ⚠ IC805 | 1203-000203 | IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1. | |
| ⚠ IC806 | 1203-001197 | IC-POWER PRESCALER;012,SIP,3P,TO-220,PLASTIC,12V, | |
| ⚠ IC807 | 1203-000640 | IC-PWM CONTROLLER;210,DIP,8P,245MIL,PLASTIC,12V, | |
| ⚠ IC808 | 1203-000203 | IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1. | |
| ⚠ IC809 | 0604-001038 | PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST | |
| JP801A | AA39-20010A | LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,200,1617#22 | |
| L801 | AA29-30002D | FILTER-LINE;-,10mH,2.8A,-,SQE-3535H | |
| L802 | AA29-30002D | FILTER-LINE;-,10mH,2.8A,-,SQE-3535H | |
| L803 | AA27-10001C | COIL-CHOKE;-,100uH,K,-,5.0A,ST,700UH-K(RO | |
| L804 | 3301-000287 | CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G | |
| L805 | 3301-000287 | CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G | |
| L806 | 3301-000287 | CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G | |
| L807 | AA27-10001U | COIL-CHOKE;-,20uH,K,-,2A,-,20UH-K(2A),12x | |
| L808 | 3301-000287 | CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G | |
| L809 | AA27-10001U | COIL-CHOKE;-,20uH,K,-,2A,-,20UH-K(2A),12x | |
| L810 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| L811 | 3301-000287 | CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G | |
| L812 | AA27-10001C | COIL-CHOKE;-,100uH,K,-,5.0A,ST,700UH-K(RO | |
| L813 | 3301-000287 | CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G | |
| L816 | 3301-000287 | CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G | |
| L817 | AA27-10002L | COIL-CHOKE;-,24uH,K,-,2A,-,24UH-K,10x10mm | |
| L818 | AA27-10001Y | COIL-CHOKE;-,100uH,K,25,1A,-,100UH-K(1.0A | |
| L819 | AA27-10001Y | COIL-CHOKE;-,100uH,K,25,1A,-,100UH-K(1.0A | |
| P802F | AA39-20010B | LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,500,1617#22 | |
| P805D | AA39-20176E | LEAD CONNECTOR-ASSY;-,YFH800-03,S,3(2)P,500mm,1617 | |
| P807A | AA39-20010B | LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,500,1617#22 | |
| ⚠ Q801 | 0503-000153 | TR-DARLINGTON;TIP102,NPN,2W,TO-220,TP,1000-2 | |
| ⚠ Q804 | 0501-000369 | TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,-,120- | |
| R801 | 2002-001011 | R-COMPOSITION;3.3Mohm,10%,1/2W,AA,TP,3.7x9mm | |
| R802 | 1404-001045 | THERMISTOR-NTC;4.7ohm,15%,2900K,35.0mW,TP | |
| R806 | 2001-001129 | R-CARBON(S);330Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R807 | 2001-001129 | R-CARBON(S);330Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R812 | 2003-001090 | R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12mm | |
| R813 | 2003-001090 | R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12mm | |
| R814 | 2006-000307 | R-CEMENT;20ohm,5%,5W,CH,BK,9.5x27x9.5mm | |
| R815 | 2003-001090 | R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12mm | |
| R816 | 2001-001088 | R-CARBON(S);1Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R817 | 2001-001093 | R-CARBON(S);2.2Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R818 | 2001-001143 | R-CARBON(S);4.3Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R819 | 2001-001410 | R-CARBON(S);43ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R820 | 2001-001117 | R-CARBON(S);2Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R821 | 2001-001117 | R-CARBON(S);2Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R822 | 2009-000021 | R-METAL PLATE;0.33ohm,10%,5W,CL,TP,5x14x18mm | |
| R823 | 2001-001117 | R-CARBON(S);2Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R826 | 2008-000270 | R-FUSIBLE;3.3ohm,5%,1/2W,AA,TP,4.7x11mm | |
| R827 | 2002-001013 | R-COMPOSITION;4.7Mohm,10%,1/2W,AA,TP,3.7x9mm | |
| R828 | 2002-001013 | R-COMPOSITION;4.7Mohm,10%,1/2W,AA,TP,3.7x9mm | |
| R831 | 2008-000270 | R-FUSIBLE;3.3ohm,5%,1/2W,AA,TP,4.7x11mm | |
| R832 | 2001-000052 | R-CARBON(S);3.3Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R833 | 2001-001088 | R-CARBON(S);1Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R834 | 2001-000109 | R-CARBON(S);470ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R835 | 2001-001096 | R-CARBON(S);2.2ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R836 | 2001-000109 | R-CARBON(S);470ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R838 | 2001-001088 | R-CARBON(S);1Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R839 | 2001-001116 | R-CARBON(S);27ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R840 | 2008-000179 | R-FUSIBLE(S);10ohm,5%,1/2W,AA,TP,2.5x6.5mm | |
| R841 | 2001-001106 | R-CARBON(S);220Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| R842 | 2001-001112 | R-CARBON(S);24Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R843 | 2001-000085 | R-CARBON(S);100Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| REL801 | 3501-001053 | RELAY-POWER;5Vdc,530mW,10A,1FormA,15mS,5mS | |
| ⚠ T801 | AA26-20007T | TRANS-SWITCHING;-,AC80V~AC280V,34/36/12/8/8,-, | |
| ⚠ T802 | AA26-20004M | TRANS-SWITCHING;-,90~260V,KS,EE2118,7.92MH,-,C | |
| V801 | 1405-000152 | VARISTOR;560V,2500A,14x8.5mm,TP | |
| V802 | 1405-000152 | VARISTOR;560V,2500A,14x8.5mm,TP | |
| V803 | 1405-000152 | VARISTOR;560V,2500A,14x8.5mm,TP | |

## ASSY-SOUND

| | | | |
|---|---|---|---|
| * | AA95-40009Z | ASSY-SOUND;-,CW764AHD,SCT53A,DOLBY,3D,- | |
| C601 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C602 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C603 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| C604 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| C605 | 2401-000480 | C-AL;10uF,20%,50V,GP,TP,5x11,5 | |
| C606 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C610 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| C611 | 2401-000590 | C-AL;1uF,20%,50V,GP,TP,3x5,5 | |
| C612 | 2203-000716 | C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,- | |
| C613 | 2203-000716 | C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,- | |
| C614 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C615 | 2203-000595 | C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,- | |
| C616 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| C617 | 2203-000142 | C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,- | |
| C618 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C619 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C620 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| C621 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| C622 | 2203-000701 | C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,2012,- | |
| C623 | 2203-000701 | C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,2012,- | |
| C624 | 2203-001077 | C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,- | |
| C625 | 2203-001077 | C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,- | |
| C626 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C627 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| C628 | 2203-000142 | C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,- | |
| C629 | 2203-001077 | C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,- | |
| C630 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C631 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C632 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C633 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C634 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C635 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C636 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C637 | 2401-001026 | C-AL;3.3uF,20%,50V,GP,TP,5x11,5 | |
| C638 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C639 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| C640 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| C641 | 2203-000142 | C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,- | |
| C642 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C643 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| C644 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| C645 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| C646 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| C647 | 2401-000027 | C-AL;4.7uF,20%,50V,GP,TP,5x11,5 | |
| C648 | 2401-000027 | C-AL;4.7uF,20%,50V,GP,TP,5x11,5 | |
| C649 | 2401-001496 | C-AL;47uF,20%,16V,GP,TP,5x7,5 | |
| C650 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C651 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11,5 | |
| C653 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C654 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C655 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C656 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C657 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C658 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C659 | 2401-000660 | C-AL;2.2uF,20%,50V,GP,TP,5x11,5 | |
| C660 | 2401-000660 | C-AL;2.2uF,20%,50V,GP,TP,5x11,5 | |
| C661 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C662 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C663 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C664 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C665 | 2401-000660 | C-AL;2.2uF,20%,50V,GP,TP,5x11,5 | |
| C666 | 2401-000660 | C-AL;2.2uF,20%,50V,GP,TP,5x11,5 | |
| C667 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C668 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C669 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C670 | 2203-000784 | C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm | |
| C671 | 2401-000660 | C-AL;2.2uF,20%,50V,GP,TP,5x11,5 | |
| C672 | 2401-000660 | C-AL;2.2uF,20%,50V,GP,TP,5x11,5 | |
| C679 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C680 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C681 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C682 | 2203-002392 | C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012, | |
| C683 | 2203-002392 | C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012, | |
| C684 | 2401-000480 | C-AL;10uF,20%,50V,GP,TP,5x11,5 | |
| C685 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11,5 | |
| C688 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11,5 | |
| C691 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11,5 | |
| C692 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| C694 | 2401-002212 | C-AL;10uF,20%,25V,WT,TP,5x11,5 | |
| C695 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C696 | 2203-000716 | C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,- | |
| C697 | 2203-000716 | C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,- | |
| CD601 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CD602 | 2203-000142 | C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,- | |
| CD603 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CD604 | 2203-000595 | C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,- | |
| CD605 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| CD606 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CD607 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| CD608 | 2203-000142 | C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,- | |
| CD609 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CD610 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CD611 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CD612 | 2401-001026 | C-AL;3.3uF,20%,50V,GP,TP,5x11,5 | |
| CD613 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| CD615 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| CD616 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CD618 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CD619 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CD620 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CD621 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| CD622 | 2203-000142 | C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,- | |
| CD623 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CD624 | 2203-000495 | C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012,- | |
| CD625 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11,5 | |
| CD626 | 2203-000495 | C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012,- | |
| CD627 | 2401-002144 | C-AL;47uF,20%,16V,GP,TP,5x11,5 | |
| CD628 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CD629 | 2401-002009 | C-AL;100uF,20%,16V,GP,TP,6.3x7,5 | |
| CD630 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| CN601A | 3711-003626 | CONNECTOR-HEADER;NOWALL,20P,1R,2.5mm,ANGLE,SN | |
| CN602A | 3711-003626 | CONNECTOR-HEADER;NOWALL,20P,1R,2.5mm,ANGLE,SN | |
| D601 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| D602 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| D603 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D604 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D605 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| D606 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| IC601 | 1204-001163 | IC-SOUND PROCESSOR;MSP3410D,PLCC,68P,24.2MIL,PLAS | |
| IC602 | 1001-000164 | IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16P,150MIL,S | |
| IC603 | 1201-000407 | IC-POWER AMP;7050,DIP,8P,-,SINGLE,-,PLASTIC | |
| IC604 | 1201-000541 | IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P | |
| ICD601 | 1204-001198 | IC-DECODER;DPL3519A,PLCC,68P,24.2MIL,PLAS | |
| ICD602 | 1201-000541 | IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P | |
| L601 | 2701-000170 | INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm | |
| L602 | 2701-000170 | INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm | |
| L603 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LD601 | 2701-000170 | INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm | |
| LD602 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LD603 | 2701-000170 | INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm | |
| Q604 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q605 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q606 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q607 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| R603 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R604 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R605 | 2007-000881 | R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012 | |
| R606 | 2007-000881 | R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012 | |
| R607 | 2001-001105 | R-CARBON(S);20ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| R608 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R609 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R610 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R611 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R612 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | |
| R613 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | |
| R614 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| R617 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R618 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R619 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R620 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R621 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R622 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R623 | 2007-000477 | R-CHIP;1Mohm,5%,1/10W,DA,TP,2012 | |
| R624 | 2007-000477 | R-CHIP;1Mohm,5%,1/10W,DA,TP,2012 | |
| R625 | 2007-000477 | R-CHIP;1Mohm,5%,1/10W,DA,TP,2012 | |
| R626 | 2007-000477 | R-CHIP;1Mohm,5%,1/10W,DA,TP,2012 | |
| R632 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R633 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R634 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R635 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R636 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R637 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R638 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R639 | 2007-000001 | R-CHIP;68Kohm,5%,1/10W,DA,TP,2012 | |
| R641 | 2007-000001 | R-CHIP;68Kohm,5%,1/10W,DA,TP,2012 | |
| R642 | 2007-000001 | R-CHIP;68Kohm,5%,1/10W,DA,TP,2012 | |
| R644 | 2007-000001 | R-CHIP;68Kohm,5%,1/10W,DA,TP,2012 | |
| R645 | 2007-000001 | R-CHIP;68Kohm,5%,1/10W,DA,TP,2012 | |
| R646 | 2007-000001 | R-CHIP;68Kohm,5%,1/10W,DA,TP,2012 | |
| R647 | 2007-001177 | R-CHIP;8.2Kohm,5%,1/10W,DA,TP,2012 | |
| R648 | 2007-001177 | R-CHIP;8.2Kohm,5%,1/10W,DA,TP,2012 | |
| R651 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R652 | 2007-000221 | R-CHIP;1.2Kohm,5%,1/10W,DA,TP,2012 | |
| R653 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R655 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R656 | 2007-000221 | R-CHIP;1.2Kohm,5%,1/10W,DA,TP,2012 | |
| R657 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R660 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R661 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R662 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| R663 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| R664 | 2007-000518 | R-CHIP;2.7Kohm,5%,1/10W,DA,TP,2012 | |
| R665 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R666 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R667 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| R668 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| R669 | 2007-000518 | R-CHIP;2.7Kohm,5%,1/10W,DA,TP,2012 | |
| R670 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R671 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R672 | 2007-000586 | R-CHIP;22Kohm,5%,1/10W,DA,TP,2012 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| R673 | 2007-000586 | R-CHIP;22Kohm,5%,1/10W,DA,TP,2012 | |
| R674 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R675 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RD601 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RD602 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| RD603 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| RD604 | 2007-000518 | R-CHIP;2.7Kohm,5%,1/10W,DA,TP,2012 | |
| RD605 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RD606 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| RD608 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| RD609 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| RD610 | 2007-000518 | R-CHIP;2.7Kohm,5%,1/10W,DA,TP,2012 | |
| RD611 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RD627 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| X601 | 2801-000186 | CRYSTAL-UNIT;18.432MHz,25ppm,28-AAM,8pF,20o | |
| Z601 | 0403-000546 | DIODE-ZENER;MTZ3.6B,3.6V,3.6-3.845V,500mW, | |

## ASSY-S/W,DETECTOR

| | | | |
|---|---|---|---|
| * | AA95-90021F | ASSY-S/W,DETECTOR;-,SVP-403J,ALT51A,NTSC,110-220 | |
| AF1A | AA39-20015M | LEAD CONNECTOR-ASSY;-,67096-003,-,3(2)P,900mm,1007 | |
| SL+BS | 6001-001003 | SCREW-MACHINE;BH,+,M2.6,L6,ZPC(BLK),SWRCH10A | |
| SW | 3409-000178 | SWITCH-LEVER;12V,100mA,SPDT,-,27deg | |
| | AA61-10185A | BRACKET-SENSOR;-,L3300,SECC,T1.0,-,-,- | |

## ASSY-AV,TERMINAL

| | | | |
|---|---|---|---|
| * | AA95-90031J | ASSY-AV,TERMINAL;-,SP403JHA,PLT51A,-,-,EU | |
| C701 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C702 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C703 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C704 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C705 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C706 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C707 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C710 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C711 | 2401-002009 | C-AL;100uF,20%,16V,GP,TP,6.3x7,5 | |
| C712 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C713 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C714 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C717 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C718 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C719 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C720 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| C721 | 2203-000595 | C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,- | |
| C723 | 2203-002392 | C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012, | |
| C724 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C725 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C726 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C727 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C728 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C729 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C730 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C731 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C732 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C733 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C734 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C735 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C736 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C737 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C738 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C739 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C740 | 2401-002299 | C-AL;4.7uF,20%,50V,GP,TP,5x7,5 | |
| C741 | 2401-002299 | C-AL;4.7uF,20%,50V,GP,TP,5x7,5 | |
| C742 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C743 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C744 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C745 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C746 | 2401-002009 | C-AL;100uF,20%,16V,GP,TP,6.3x7,5 | |
| C747 | 2401-002009 | C-AL;100uF,20%,16V,GP,TP,6.3x7,5 | |
| C748 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C749 | 2401-002299 | C-AL;4.7uF,20%,50V,GP,TP,5x7,5 | |
| C750 | 2401-002299 | C-AL;4.7uF,20%,50V,GP,TP,5x7,5 | |
| C751 | 2401-002299 | C-AL;4.7uF,20%,50V,GP,TP,5x7,5 | |
| C752 | 2401-002299 | C-AL;4.7uF,20%,50V,GP,TP,5x7,5 | |
| C755 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C758 | 2401-002009 | C-AL;100uF,20%,16V,GP,TP,6.3x7,5 | |
| C759 | 2401-002009 | C-AL;100uF,20%,16V,GP,TP,6.3x7,5 | |
| C760 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C761 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C762 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C763 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C764 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C765 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C766 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C767 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C768 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C769 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C770 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| C771 | 2401-002009 | C-AL;100uF,20%,16V,GP,TP,6.3x7,5 | |
| C772 | 2203-000818 | C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,- | |
| C773 | 2203-000818 | C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,- | |
| CN701 | 3722-000498 | JACK-SCART;21P,-,SN,BLK,NO | |
| CN702 | 3722-000498 | JACK-SCART;21P,-,SN,BLK,NO | |
| CN703 | 3722-000498 | JACK-SCART;21P,-,SN,BLK,NO | |
| CN704 | 3711-003630 | CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE,AU | |
| CN705 | 3711-003630 | CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE,AU | |
| CN706 | 3711-003323 | CONNECTOR-HEADER;NOWALL,4P,1R,2.54mm,STRAIGHT,S | |
| CN707 | 3722-001157 | JACK-RCA;5P(6P),3.4mm,SN,BLK,#16-22 | |
| D701 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| D702 | 0403-000296 | DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW, | |
| D703 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| D704 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| D707 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| IC701 | 1001-001030 | IC-VIDEO SWITCH;TDA6920X,-,SOP,28P,300MIL,-,13 | |
| IC702 | 1001-001030 | IC-VIDEO SWITCH;TDA6920X,-,SOP,28P,300MIL,-,13 | |
| IC703 | 1201-000541 | IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P | |
| IC704 | 1201-000541 | IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P | |
| IC706 | 1001-000223 | IC-VIDEO SWITCH;TEA5114A,-,DIP,16P,334MIL,SING | |
| J701 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| J702 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| J703 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| L701 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L705 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L706 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L707 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L708 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L709 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L710 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L711 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L712 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L713 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L714 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L715 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L716 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L717 | 2701-000116 | INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm | |
| L718 | 2701-000116 | INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm | |
| L719 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L720 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L721 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| Q701 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q702 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q703 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q704 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q705 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q706 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q707 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q708 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q709 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q710 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q711 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q712 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q713 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q714 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q715 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q716 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q717 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| R701 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R702 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R703 | 2007-000766 | R-CHIP;330ohm,5%,1/10W,DA,TP,2012 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| R704 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R705 | 2007-000766 | R-CHIP;330ohm,5%,1/10W,DA,TP,2012 | |
| R706 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R707 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R708 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R709 | 2007-000766 | R-CHIP;330ohm,5%,1/10W,DA,TP,2012 | |
| R710 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R711 | 2007-001071 | R-CHIP;6.8Kohm,5%,1/10W,DA,TP,2012 | |
| R712 | 2007-000572 | R-CHIP;220ohm,5%,1/10W,DA,TP,2012 | |
| R713 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | |
| R714 | 2007-001039 | R-CHIP;56Kohm,5%,1/10W,DA,TP,2012 | |
| R715 | 2007-000572 | R-CHIP;220ohm,5%,1/10W,DA,TP,2012 | |
| R716 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R717 | 2007-000738 | R-CHIP;30Kohm,5%,1/10W,DA,TP,2012 | |
| R718 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| R719 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R720 | 2007-000241 | R-CHIP;1.5Kohm,5%,1/10W,DA,TP,2012 | |
| R721 | 2007-000241 | R-CHIP;1.5Kohm,5%,1/10W,DA,TP,2012 | |
| R722 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R723 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R724 | 2007-000653 | R-CHIP;27Kohm,5%,1/10W,DA,TP,2012 | |
| R725 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| R726 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R727 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| R728 | 2007-000477 | R-CHIP;1Mohm,5%,1/10W,DA,TP,2012 | |
| R729 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R730 | 2007-000282 | R-CHIP;100Kohm,5%,1/10W,DA,TP,2012 | |
| R731 | 2007-000267 | R-CHIP;1.8Kohm,5%,1/10W,DA,TP,2012 | |
| R732 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R733 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R734 | 2007-000642 | R-CHIP;270ohm,5%,1/10W,DA,TP,2012 | |
| R735 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R736 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R737 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R738 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R739 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R740 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R744 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R745 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R747 | 2007-000028 | R-CHIP;39ohm,5%,1/10W,DA,TP,2012 | |
| R748 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R749 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R750 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R752 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R753 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R754 | 2007-000457 | R-CHIP;18Kohm,5%,1/10W,DA,TP,2012 | |
| R755 | 2007-001039 | R-CHIP;56Kohm,5%,1/10W,DA,TP,2012 | |
| R756 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R757 | 2007-000457 | R-CHIP;18Kohm,5%,1/10W,DA,TP,2012 | |
| R758 | 2007-001039 | R-CHIP;56Kohm,5%,1/10W,DA,TP,2012 | |
| R759 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R760 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R761 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R762 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R763 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R764 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R765 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R766 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R767 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R768 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R769 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R770 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R771 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R772 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R773 | 2007-001166 | R-CHIP;75ohm,5%,1/10W,DA,TP,2012 | |
| R774 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| R775 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| R776 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| R777 | 2007-000449 | R-CHIP;180ohm,5%,1/10W,DA,TP,2012 | |
| R778 | 2007-000449 | R-CHIP;180ohm,5%,1/10W,DA,TP,2012 | |
| R779 | 2007-000449 | R-CHIP;180ohm,5%,1/10W,DA,TP,2012 | |
| R780 | 2007-000030 | R-CHIP;560ohm,5%,1/10W,DA,TP,2012 | |
| R781 | 2007-000844 | R-CHIP;3Kohm,5%,1/10W,DA,TP,2012 | |
| R782 | 2007-000572 | R-CHIP;220ohm,5%,1/10W,DA,TP,2012 | |
| R783 | 2007-000572 | R-CHIP;220ohm,5%,1/10W,DA,TP,2012 | |
| R784 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R785 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R786 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R787 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R788 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R789 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R790 | 2007-000449 | R-CHIP;180ohm,5%,1/10W,DA,TP,2012 | |

## ASSY-PCB,MICOM

| | | | |
|---|---|---|---|
| * | AA95-90031M | ASSY-PCB,MICOM;-,SPT-403J,PLT51A,PAL,-,- | |
| C901 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C902 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C903 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C907 | 2203-000858 | C-CERAMIC,CHIP;39pF,5%,50V,NPO,TP,2012,- | |
| C908 | 2203-000858 | C-CERAMIC,CHIP;39pF,5%,50V,NPO,TP,2012,- | |
| C909 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C910 | 2401-001469 | C-AL;47uF,20%,10V,GP,TP,5x11,5 | |
| C911 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C917 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C918 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| C919 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C920 | 2401-001469 | C-AL;47uF,20%,10V,GP,TP,5x11,5 | |
| C921 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C922 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C923 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C924 | 2203-000408 | C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,- | |
| C928 | 2401-001469 | C-AL;47uF,20%,10V,GP,TP,5x11,5 | |
| C929 | 2401-001469 | C-AL;47uF,20%,10V,GP,TP,5x11,5 | |
| C930 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C931 | 2401-000934 | C-AL;22uF,20%,25V,BP,TP,8x11.5,5 | |
| C932 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C999 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| CNU01 | 3711-003543 | CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,ANGLE,SN | |
| CNU02 | 3711-002709 | CONNECTOR-HEADER;NOWALL,12P,1R,2.5mm,ANGLE,SN | |
| CNU03 | 3711-003543 | CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,ANGLE,SN | |
| CT01 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CT02 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CT04 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| CT05 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| CT06 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| CT07 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| CT10 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| CT11 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| CT12 | 2203-000634 | C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,- | |
| CT13 | 2203-001077 | C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,- | |
| CT15 | 2203-000818 | C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,- | |
| CT16 | 2203-000818 | C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,- | |
| CT17 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| CT18 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CT19 | 2203-000353 | C-CERAMIC,CHIP;150pF,10%,50V,NPO,TP,2012,- | |
| D901 | 0403-000689 | DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200mW, | |
| D902 | 0403-000296 | DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW, | |
| ⚠ IC901 | AA13-30013H | IC-MCU;-,SDA30C264,8BIT,MQFP64-1,CX72 | |
| ⚠ IC902 | 1103-001043 | IC-EEPROM;24C16,2Kx8BIT,DIP,8P,300MIL,10 | |
| ⚠ IC903 | 1102-000158 | IC-EPROM;27C040,512Kx8BIT,DIP,32P,600MI | |
| ⚠ ICT01 | 1204-001160 | IC-HOR./VER.PROCESSO;SDA5273P,PLCC,68P,24.21MIL,PLA | |
| ⚠ ICT02 | 1105-001140 | IC-DRAM;44C1004,1Mx4BIT,SOP,20P,300MIL | |
| L901 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L902 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L903 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| Q901 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q902 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q903 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| Q904 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| QT01 | 0501-000727 | TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420 | |
| R901 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R902 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R903 | 2007-000409 | R-CHIP;15Kohm,5%,1/10W,DA,TP,2012 | |
| R904 | 2007-000409 | R-CHIP;15Kohm,5%,1/10W,DA,TP,2012 | |
| R905 | 2007-001177 | R-CHIP;8.2Kohm,5%,1/10W,DA,TP,2012 | |
| R906 | 2007-001177 | R-CHIP;8.2Kohm,5%,1/10W,DA,TP,2012 | |
| R907 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R908 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R909 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R910 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R911 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| R912 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R913 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R914 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R915 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R916 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R917 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R918 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R919 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R920 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| R921 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R922 | 2007-000766 | R-CHIP;330ohm,5%,1/10W,DA,TP,2012 | |
| R923 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R924 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R925 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R926 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R927 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R928 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R929 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R930 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R931 | 2007-000653 | R-CHIP;27Kohm,5%,1/10W,DA,TP,2012 | |
| R932 | 2007-000766 | R-CHIP;330ohm,5%,1/10W,DA,TP,2012 | |
| R933 | 2007-001177 | R-CHIP;8.2Kohm,5%,1/10W,DA,TP,2012 | |
| R935 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R936 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| R937 | 2007-000766 | R-CHIP;330ohm,5%,1/10W,DA,TP,2012 | |
| R938 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R952 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R953 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R954 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R955 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R956 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R957 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R958 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RT01 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RT02 | 2007-000586 | R-CHIP;22Kohm,5%,1/10W,DA,TP,2012 | |
| RT03 | 2007-000710 | R-CHIP;3.9Kohm,5%,1/10W,DA,TP,2012 | |
| RT04 | 2007-000710 | R-CHIP;3.9Kohm,5%,1/10W,DA,TP,2012 | |
| RT05 | 2007-000710 | R-CHIP;3.9Kohm,5%,1/10W,DA,TP,2012 | |
| RT06 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RT07 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RT08 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RT09 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RT11 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RT12 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RT13 | 2007-000774 | R-CHIP;33Kohm,5%,1/10W,DA,TP,2012 | |
| RT14 | 2007-001118 | R-CHIP;680ohm,5%,1/10W,DA,TP,2012 | |
| RT15 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RT16 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RT17 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| X901 | 2801-001476 | CRYSTAL-UNIT;12.0MHz,50ppm,28-ABQ,S,30ohm,T | |
| XT01 | 2802-000121 | RESONATOR-CERAMIC;20.48MHz,0.5%,TP,10.0x5.0x10.0 | |

## ASSY-PCB,REMOCON

| | | | |
|---|---|---|---|
| * | AA95-90032Y | ASSY-PCB,REMOCON;-,SP-403JHA,PLT51A,EC,-,- | |
| CC01 | 2401-001496 | C-AL;47uF,20%,16V,GP,TP,5x7,5 | |
| CNM08A | AA39-20602A | LEAD CONNECTOR-ASSY;-,5264-06,35022-06,6P,500mm,10 | |
| D01 | 0601-000385 | LED;ROUND,RED,3mm,700nm | |
| D02 | 0601-000385 | LED;ROUND,RED,3mm,700nm | |
| D03 | 0601-000368 | LED;ROUND,Y-GRN,3mm,557nm | |
| DC02 | 0403-000296 | DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW, | |
| RC01 | 2001-001108 | R-CARBON(S);22Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| RC02 | 2001-000020 | R-CARBON(S);22ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| RMC01 | AA59-60003H | MODULE-REMOCON;-,ORC-05H2,38KHz,940nm,MESH,H, | |

## ASSY-PCB,MASTER

| | | | |
|---|---|---|---|
| * | AA95-90032Z | ASSY-PCB,MASTER;-,SP-403JHA,PLT51A,EC,-,- | |
| SWP02 | 3403-001020 | SWITCH-PUSH;250V,5A,DPST,OFF-ON-OFF | |
| P804D | AA39-20176F | LEAD CONNECTOR-ASSY;-,YFH800-03,S,3(2)P,600mm,1617 | |
| P802D | AA39-20179C | LEAD CONNECTOR-ASSY;-,YFH150-03,S,3(2)P,600mm,1617 | |

## ASSY-PCB,LCD CONTROL

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| * | AA95-90033B | ASSY-PCB,LCD CONTROL;-,SP-403JHA,PLT51A,EC,-,- | |
| AC1 | 3711-000661 | CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN | |
| AC2 | 3711-001054 | CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN | |
| AC3 | 3711-000585 | CONNECTOR-HEADER;BOX,10P,1R,2.5mm,ANGLE,- | |
| AP3 | 3711-002647 | CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGHT,SN | |
| CL101 | 2401-001115 | C-AL;330uF,20%,25V,GP,TP,10x12.5,5 | |
| CL102 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL103 | 2401-001115 | C-AL;330uF,20%,25V,GP,TP,10x12.5,5 | |
| CL104 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL105 | 2401-001363 | C-AL;470uF,20%,16V,GP,TP,10x12.5,5 | |
| CL106 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL107 | 2401-001363 | C-AL;470uF,20%,16V,GP,TP,10x12.5,5 | |
| CL108 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL109 | 2401-001363 | C-AL;470uF,20%,16V,GP,TP,10x12.5,5 | |
| CL110 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL111 | 2401-001363 | C-AL;470uF,20%,16V,GP,TP,10x12.5,5 | |
| CL112 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL113 | 2401-000360 | C-AL;100uF,20%,50V,GP,TP,8x11.5,5 | |
| CL114 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL115 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL116 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL117 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL118 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL119 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL120 | 2401-001537 | C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm | |
| CL121 | 2203-000575 | C-CERAMIC,CHIP;220nF,10%,50V,X7R,TP,2012,- | |
| CL122 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL123 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL124 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL125 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| CL126 | 2401-000603 | C-AL;1uF,20%,50V,GP,TP,5x11,5 | |
| CL127 | 2401-001537 | C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm | |
| CL128 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL129 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL130 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL131 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| CL132 | 2203-000575 | C-CERAMIC,CHIP;220nF,10%,50V,X7R,TP,2012,- | |
| CL133 | 2203-000575 | C-CERAMIC,CHIP;220nF,10%,50V,X7R,TP,2012,- | |
| CL134 | 2203-002442 | C-CERAMIC,CHIP;330nF,+80-20%,25V,Y5V,TP,2012, | |
| CL135 | 2401-000480 | C-AL;10uF,20%,50V,GP,TP,5x11,5 | |
| CL141 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL142 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL157 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL201 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL202 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL203 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL204 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL205 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL206 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL207 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL208 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL209 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL210 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL211 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL212 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL213 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL214 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL215 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL216 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL217 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL218 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL220 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL221 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL222 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL223 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL224 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL225 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL226 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL227 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL229 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL230 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL231 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL232 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL233 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL234 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| CL235 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL236 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL237 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL238 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL239 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL240 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL242 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL243 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL244 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL245 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL246 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL247 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL248 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL249 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL250 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL251 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL252 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL255 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL256 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL257 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL258 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL260 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL261 | 2401-000318 | C-AL;100uF,20%,25V,LZ,TP,8x11.5,5 | |
| CL262 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL263 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL264 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL265 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL266 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL267 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL268 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL269 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL270 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL271 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL272 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL273 | 2404-000151 | C-TA,CHIP;1uF,20%,16V,-,TP,3216,- | |
| CL274 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL301 | 2401-001840 | C-AL;100uF,20%,16V,GP,TP,6.3x11,5 | |
| CL302 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL303 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL305 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL307 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL309 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL311 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL313 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| CL314 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL315 | 2203-001158 | C-CERAMIC,CHIP;68pF,5%,50V,NPO,TP,2012,- | |
| CL316 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL317 | 2401-001026 | C-AL;3.3uF,20%,50V,GP,TP,5x11,5 | |
| CL318 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL321 | 2203-000260 | C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,- | |
| CL322 | 2401-001537 | C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm | |
| CL323 | 2401-001537 | C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm | |
| CL324 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL325 | 2401-000318 | C-AL;100uF,20%,25V,LZ,TP,8x11.5,5 | |
| CL326 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL327 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL329 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL403 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL404 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL405 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| CL406 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL407 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL408 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| CL501 | 2201-000265 | C-CERAMIC,DISC;180pF,5%,50V,RH,TP,8x3,5 | |
| CL502 | 2201-000146 | C-CERAMIC,DISC;100pF,5%,50V,SL,TP,5x3,5 | |
| CL503 | 2201-000653 | C-CERAMIC,DISC;68pF,5%,50V,SL,TP,4.0X3.5mm,2. | |
| CL601 | 2401-000598 | C-AL;1uF,20%,50V,GP,TP,4x7,5 | |
| CL602 | 2401-000480 | C-AL;10uF,20%,50V,GP,TP,5x11,5 | |
| CNL04 | 3708-001162 | CONNECTOR-FPC/FC/PIC;24P,1mm,SMD-A,SN | |
| CNL06 | 3711-002642 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| CNL07 | 3711-002644 | CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGHT,SN | |
| CNL08 | 3711-002642 | CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN | |
| DL301 | 0405-000117 | DIODE-VARACTOR;1SV215,30V,10nA,USC,TP | |
| DL401 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| DL402 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| DL403 | 0401-000133 | DIODE-SWITCHING;RLS4148,100V,200mA,SOD-80C,TP | |
| DL501 | 0403-000294 | DIODE-ZENER;MTZ4.7B,4.7V,4.55-4.80V,500mW, | |
| DL502 | 0401-000005 | DIODE-SWITCHING;1N4148,75V,300mA,DO-35,TP | |
| DL503 | 0403-000294 | DIODE-ZENER;MTZ4.7B,4.7V,4.55-4.80V,500mW, | |
| FL302 | 2901-000227 | FILTER-EMI SMD;50V,300mA,-,100pF,12.5x4.5x1.2 | |
| FL303 | 2901-000227 | FILTER-EMI SMD;50V,300mA,-,100pF,12.5x4.5x1.2 | |
| ICL101 | 1203-000006 | IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLASTIC,7.7/8 | |
| ICL102 | 1203-000162 | IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLASTIC,12V,-, | |
| ICL103 | 1203-000274 | IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLASTIC,4.8/5 | |
| ICL109 | 0801-000901 | IC-CMOS LOGIC;74HC04,INVERTER,SOP,14P,150MIL | |
| ICL201 | 1002-000134 | IC-D/A CONVERTER;TDA8444,6BIT,DIP,16P,-,-,ST,BI | |
| ICL202 | 1002-000134 | IC-D/A CONVERTER;TDA8444,6BIT,DIP,16P,-,-,ST,BI | |
| ICL203 | 1002-000134 | IC-D/A CONVERTER;TDA8444,6BIT,DIP,16P,-,-,ST,BI | |
| ICL204 | 1003-001094 | IC-LCD DRIVER;CXA1853Q,QFP,80P,14.0MIL,-,-,T | |
| ICL205 | 1003-001093 | IC-LCD DRIVER;CXA2504N,SOP,40P,248MIL,PLASTI | |
| ICL301 | 1003-001095 | IC-LCD CONTROLLER;CXD2443Q,QFP,100P,-,-,-,TR,PLA | |
| ICL401 | 0801-000662 | IC-CMOS LOGIC;74HC123,MULTIVIBATOR,SOP,16P,1 | |
| ICL402 | 0801-000662 | IC-CMOS LOGIC;74HC123,MULTIVIBATOR,SOP,16P,1 | |
| ICL403 | 0801-000662 | IC-CMOS LOGIC;74HC123,MULTIVIBATOR,SOP,16P,1 | |
| ICL404 | 1204-000464 | IC-VIDEO PROCESS;TDA4780,DIP,28P,-,PLASTIC,8.8V | |
| LL101 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LL104 | 2701-000002 | INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm | |
| LL201 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LL202 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LL203 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LL301 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LL303 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LL304 | 2701-000112 | INDUCTOR-AXIAL;100uH,10%,2.8x7mm | |
| LL305 | 2701-000326 | INDUCTOR-AXIAL;560nH,10%,2.3x3.4mm | |
| LL306 | 2701-000326 | INDUCTOR-AXIAL;560nH,10%,2.3x3.4mm | |
| LL307 | 2701-000326 | INDUCTOR-AXIAL;560nH,10%,2.3x3.4mm | |
| LL401 | 2701-000149 | INDUCTOR-AXIAL;2.7uH,10%,2.5x3.4mm | |
| LL402 | 2701-000208 | INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm | |
| LL403 | 2701-000208 | INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm | |
| QL105 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL106 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL107 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL201 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| QL202 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL203 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| QL204 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL301 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL302 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL303 | 0501-000002 | TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135 | |
| QL401 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| QL402 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| QL403 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| QL404 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| QL405 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| QL406 | 0501-000342 | TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP, | |
| RL101 | 2001-001146 | R-CARBON(S);4.7ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| RL102 | 2004-001376 | R-METAL(S);11Kohm,1%,1/2W,AA,TP,2.4x6.4mm | |
| RL103 | 2001-001146 | R-CARBON(S);4.7ohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| RL105 | 2001-001045 | R-CARBON(S);1.2Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| RL112 | 2007-000030 | R-CHIP;560ohm,5%,1/10W,DA,TP,2012 | |
| RL113 | 2007-000030 | R-CHIP;560ohm,5%,1/10W,DA,TP,2012 | |
| RL114 | 2007-000030 | R-CHIP;560ohm,5%,1/10W,DA,TP,2012 | |
| RL115 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL116 | 2007-001001 | R-CHIP;510ohm,5%,1/10W,DA,TP,2012 | |
| RL118 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL119 | 2007-001001 | R-CHIP;510ohm,5%,1/10W,DA,TP,2012 | |
| RL121 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL122 | 2007-001001 | R-CHIP;510ohm,5%,1/10W,DA,TP,2012 | |
| RL127 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| RL128 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RL129 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL130 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL131 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RL132 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL133 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL134 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL135 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL136 | 2007-001071 | R-CHIP;6.8Kohm,5%,1/10W,DA,TP,2012 | |
| RL137 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL138 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RL139 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL140 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |
| RL141 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL142 | 2007-000931 | R-CHIP;470ohm,5%,1/10W,DA,TP,2012 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| RL143 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL154 | 2007-000671 | R-CHIP;2Kohm,5%,1/10W,DA,TP,2012 | |
| RL155 | 2007-001118 | R-CHIP;680ohm,5%,1/10W,DA,TP,2012 | |
| RL156 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL157 | 2007-000671 | R-CHIP;2Kohm,5%,1/10W,DA,TP,2012 | |
| RL158 | 2007-001118 | R-CHIP;680ohm,5%,1/10W,DA,TP,2012 | |
| RL159 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL160 | 2007-000671 | R-CHIP;2Kohm,5%,1/10W,DA,TP,2012 | |
| RL161 | 2007-001118 | R-CHIP;680ohm,5%,1/10W,DA,TP,2012 | |
| RL162 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL163 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL164 | 2007-000844 | R-CHIP;3Kohm,5%,1/10W,DA,TP,2012 | |
| RL165 | 2007-001009 | R-CHIP;51Kohm,5%,1/10W,DA,TP,2012 | |
| RL166 | 2007-000964 | R-CHIP;5.1Kohm,5%,1/10W,DA,TP,2012 | |
| RL167 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL168 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL169 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL170 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL171 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL172 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL173 | 2007-001001 | R-CHIP;510ohm,5%,1/10W,DA,TP,2012 | |
| RL174 | 2007-001001 | R-CHIP;510ohm,5%,1/10W,DA,TP,2012 | |
| RL175 | 2007-001001 | R-CHIP;510ohm,5%,1/10W,DA,TP,2012 | |
| RL178 | 2007-000710 | R-CHIP;3.9Kohm,5%,1/10W,DA,TP,2012 | |
| RL201 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL202 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL203 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL204 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL205 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL206 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL207 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL208 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL209 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL210 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL211 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL212 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL213 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL214 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL215 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL216 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL217 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL218 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL219 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL220 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL221 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL222 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL223 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL224 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL225 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL226 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL227 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL228 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL229 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL230 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL231 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | |
| RL232 | 2007-001141 | R-CHIP;7.5Kohm,5%,1/10W,DA,TP,2012 | |
| RL233 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| RL234 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| RL235 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| RL236 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| RL237 | 2007-000493 | R-CHIP;2.2Kohm,5%,1/10W,DA,TP,2012 | |
| RL238 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | |
| RL239 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL240 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL241 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL242 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL243 | 2007-001055 | R-CHIP;6.2Kohm,5%,1/10W,DA,TP,2012 | |
| RL244 | 2007-000409 | R-CHIP;15Kohm,5%,1/10W,DA,TP,2012 | |
| RL245 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL246 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL247 | 2007-000267 | R-CHIP;1.8Kohm,5%,1/10W,DA,TP,2012 | |
| RL248 | 2007-000872 | R-CHIP;4.7Kohm,5%,1/10W,DA,TP,2012 | |
| RL249 | 2007-001224 | R-CHIP;9.1Kohm,5%,1/10W,DA,TP,2012 | |
| RL250 | 2007-001141 | R-CHIP;7.5Kohm,5%,1/10W,DA,TP,2012 | |
| RL251 | 2007-000457 | R-CHIP;18Kohm,5%,1/10W,DA,TP,2012 | |
| RL252 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | |
| RL253 | 2007-000686 | R-CHIP;3.3Kohm,5%,1/10W,DA,TP,2012 | |
| RL254 | 2007-000881 | R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012 | |
| RL255 | 2007-000881 | R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012 | |
| RL256 | 2007-001055 | R-CHIP;6.2Kohm,5%,1/10W,DA,TP,2012 | |
| RL257 | 2007-000409 | R-CHIP;15Kohm,5%,1/10W,DA,TP,2012 | |
| RL261 | 2007-000586 | R-CHIP;22Kohm,5%,1/10W,DA,TP,2012 | |
| RL262 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL263 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL264 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL265 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL266 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL267 | 2007-000068 | R-CHIP;470Kohm,5%,1/10W,DA,TP,2012 | |
| RL268 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| RL301 | 2007-000774 | R-CHIP;33Kohm,5%,1/10W,DA,TP,2012 | |
| RL302 | 2007-000477 | R-CHIP;1Mohm,5%,1/10W,DA,TP,2012 | |
| RL303 | 2007-000477 | R-CHIP;1Mohm,5%,1/10W,DA,TP,2012 | |
| RL304 | 2007-000964 | R-CHIP;5.1Kohm,5%,1/10W,DA,TP,2012 | |
| RL305 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL306 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL307 | 2007-000774 | R-CHIP;33Kohm,5%,1/10W,DA,TP,2012 | |
| RL308 | 2007-000774 | R-CHIP;33Kohm,5%,1/10W,DA,TP,2012 | |
| RL310 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| RL313 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL314 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL315 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL316 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL317 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL318 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL320 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL321 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL322 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL323 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL324 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL325 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL326 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL327 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL328 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL329 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL330 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL331 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL332 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL333 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL334 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL335 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL336 | 2007-000615 | R-CHIP;24Kohm,5%,1/10W,DA,TP,2012 | |
| RL401 | 2007-000493 | R-CHIP;2.2Kohm,5%,1/10W,DA,TP,2012 | |
| RL402 | 2007-000258 | R-CHIP;1.6Kohm,5%,1/10W,DA,TP,2012 | |
| RL403 | 2007-000586 | R-CHIP;22Kohm,5%,1/10W,DA,TP,2012 | |
| RL404 | 2007-000710 | R-CHIP;3.9Kohm,5%,1/10W,DA,TP,2012 | |
| RL405 | 2007-000355 | R-CHIP;12Kohm,5%,1/10W,DA,TP,2012 | |
| RL406 | 2007-001177 | R-CHIP;8.2Kohm,5%,1/10W,DA,TP,2012 | |
| RL407 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| RL408 | 2007-001118 | R-CHIP;680ohm,5%,1/10W,DA,TP,2012 | |
| RL409 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| RL501 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL502 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| RL503 | 2007-000642 | R-CHIP;270ohm,5%,1/10W,DA,TP,2012 | |
| TL301 | AA26-10006F | TRANS-IF;-,7mG,VIF,-,7mm,18pF,67MHz,ST, | |

## ASSY-PCB,PFC

| | | | |
|---|---|---|---|
| * | AA95-90033C | ASSY-PCB,PFC;-,SP-403JHA,PLT51A,EC,-,- | |
| LP801 | AA27-10004C | COIL-CHOKE;-,16,M,-,1.3,ST,-,-,-,LEAD | |
| LP802 | AA27-10004C | COIL-CHOKE;-,16,M,-,1.3,ST,-,-,-,LEAD | |

## ASSY-PCB,FEATURE BOX

| | | | |
|---|---|---|---|
| * | AA95-90036B | ASSY-PCB,FEATURE BOX;-,SP-403JHA,PLT51A,EC,-,- | |
| C200G | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C201 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C203 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C204 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C205 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |
| C206 | 2203-000683 | C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,- | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| C207 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C208 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C209 | 2203-000578 | C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m | |
| C211 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C212 | 2401-001271 | C-AL;4.7uF,20%,50V,GP,TP,4x7mm,5mm | |
| C213 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C214 | 2401-001271 | C-AL;4.7uF,20%,50V,GP,TP,4x7mm,5mm | |
| C215 | 2203-001172 | C-CERAMIC,CHIP;6pF,0.25pF,50V,NPO,TP,2012,- | |
| C216 | 2203-001172 | C-CERAMIC,CHIP;6pF,0.25pF,50V,NPO,TP,2012,- | |
| C217 | 2203-000444 | C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,- | |
| C218 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C219 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C21H | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C220 | 2401-001496 | C-AL;47uF,20%,16V,GP,TP,5x7,5 | |
| C221 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C222 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C223 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C224 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C225 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C226 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C227 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C228 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C229 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C230 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C233 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C234 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C236 | 2401-002235 | C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm | |
| C237 | 2203-000979 | C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,- | |
| C239 | 2203-000753 | C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216, | |
| C243 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C244 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C245 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C246 | 2401-002594 | C-AL;220uF,20%,16V,GP,TP,8x11.5,5 | |
| C247 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C248 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C249 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C250 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C251 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C252 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C253 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C254 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C255 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C256 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C257 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C258 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C259 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C260 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C262 | 2401-002594 | C-AL;220uF,20%,16V,GP,TP,8x11.5,5 | |
| C263 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C264 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C265 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C266 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C267 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C268 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C269 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C270 | 2401-002594 | C-AL;220uF,20%,16V,GP,TP,8x11.5,5 | |
| C271 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C272 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C273 | 2401-000302 | C-AL;100uF,20%,25V,GP,TP,6.3x11,5 | |
| C274 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C275 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C276 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C277 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C278 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C279 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C280 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C281 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C282 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C283 | 2203-000142 | C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,- | |
| C402 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C404 | 2203-000192 | C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012, | |
| C405 | 2203-001002 | C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,- | |
| C409 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| C414 | 2203-000239 | C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,- | |
| C415 | 2203-001002 | C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,- | |
| C416 | 2203-001002 | C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,- | |
| C421 | 2203-001002 | C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,- | |
| C428 | 2401-000914 | C-AL;22uF,20%,16V,GP,TP,5x11,5 | |
| CF01 | 2203-000555 | C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,- | |
| CF02 | 2203-000555 | C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,- | |
| CF03 | 2203-000555 | C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,- | |
| CF09 | 2203-000938 | C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,- | |
| CN203 | 3711-001283 | CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANGLE,- | |
| CN204 | 3711-001283 | CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANGLE,- | |
| CN205 | 3711-003543 | CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,ANGLE,SN | |
| CN206 | 3711-001283 | CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANGLE,- | |
| D205 | 0403-000666 | DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500mW, | |
| IC201 | 1205-001172 | IC-INTERFACE;CIP3250A,PLCC,68P,24.2MIL,PLAS | |
| IC202 | 1204-001362 | IC-VIDEO PROCESS;VPC3215C,PLCC,43P,-,PLASTIC,6. | |
| IC203 | 1203-000346 | IC-VOL. SUPERVISORY;7705,SOP,8P,150MIL,PLASTIC,20V | |
| IC204 | 1002-001045 | IC-D/A CONVERTER;9280,8BIT,PLCC,68P,-,-,TR,CMOS | |
| IC206 | 1204-001188 | IC-VERTICAL PROCESSO;SDA9272,QFP,208P,28.0MIL,PLAST | |
| IC207 | 1105-001071 | IC-DRAM;9253,212x64BIT,QFP,64P,17.2MIL | |
| IC208 | 1105-001071 | IC-DRAM;9253,212x64BIT,QFP,64P,17.2MIL | |
| IC212 | 0803-000123 | IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q | |
| L202 | 2701-000142 | INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm | |
| L203 | 2701-000142 | INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm | |
| L204 | 2701-000142 | INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm | |
| L205 | 2701-000142 | INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm | |
| L206 | 2901-000297 | FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,- | |
| L207 | 2901-000297 | FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,- | |
| L208 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L210 | 2701-000146 | INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm | |
| L211 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L212 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L213 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L214 | 2701-000116 | INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm | |
| L215 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L216 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L217 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L218 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L220 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L230 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| L232 | 2701-000146 | INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm | |
| L233 | 2701-000146 | INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm | |
| L236 | 2701-000146 | INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm | |
| L237 | 2701-000115 | INDUCTOR-AXIAL;10uH,10%,2.8x7mm | |
| LF01 | 2001-000210 | R-CARBON;0ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| LF02 | 2001-000210 | R-CARBON;0ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| Q203 | 0501-000389 | TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,TP,120- | |
| R1 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R11 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R13 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R15 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R16 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R18 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R20 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R212 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R213 | 2007-000941 | R-CHIP;47Kohm,5%,1/10W,DA,TP,2012 | |
| R215 | 2007-000380 | R-CHIP;13Kohm,5%,1/10W,DA,TP,2012 | |
| R216 | 2007-000300 | R-CHIP;10Kohm,5%,1/10W,DA,TP,2012 | |
| R217 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| R218 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| R219 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| R22 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R220 | 2007-000401 | R-CHIP;150ohm,5%,1/10W,DA,TP,2012 | |
| R221 | 2007-001055 | R-CHIP;6.2Kohm,5%,1/10W,DA,TP,2012 | |
| R222 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R223 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R224 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R225 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R226 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R227 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R228 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R229 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R230 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R231 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R232 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R234 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R235 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R236 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R237 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R238 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R24 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |

| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| R242 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| R250 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R251 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R252 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R26 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R266 | 2007-000409 | R-CHIP;15Kohm,5%,1/10W,DA,TP,2012 | |
| R267 | 2007-000586 | R-CHIP;22Kohm,5%,1/10W,DA,TP,2012 | |
| R268 | 2007-000593 | R-CHIP;22ohm,5%,1/10W,DA,TP,2012 | |
| R269 | 2007-000468 | R-CHIP;1Kohm,5%,1/10W,DA,TP,2012 | |
| R28 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R3 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R30 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R302 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R303 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R304 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R400 | 2007-000781 | R-CHIP;33ohm,5%,1/10W,DA,TP,2012 | |
| R403 | 2007-000781 | R-CHIP;33ohm,5%,1/10W,DA,TP,2012 | |
| R404 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R405 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R406 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R440 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R441 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R443 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R444 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R446 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R447 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R451 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R453 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R454 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R455 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| R457 | 2007-000029 | R-CHIP;0ohm,5%,1/10W,DA,TP,2012 | |
| R5 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R54 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R55 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R56 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R57 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R65 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R66 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R67 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R68 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R7 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| R9 | 2007-000947 | R-CHIP;47ohm,5%,1/10W,DA,TP,2012 | |
| RF01 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RF02 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RF03 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RF04 | 2007-000290 | R-CHIP;100ohm,5%,1/10W,DA,TP,2012 | |
| RL405 | 2007-000355 | R-CHIP;12Kohm,5%,1/10W,DA,TP,2012 | |
| X201 | 2801-003432 | CRYSTAL-UNIT;20.25MHz,30ppm,28-AAA,13pF,20o | |

## ASSY-DOOR

| | | | |
|---|---|---|---|
| * | AA91-20056C | ASSY-DOOR;-,ABS HB,DG-703P,SPM403J | |
| C708 | 2202-000263 | C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP,3.5x19,- | |
| C709 | 2202-000263 | C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP,3.5x19,- | |
| C710 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP,1.9x3.5,- | |
| C711 | 2202-000121 | C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP,1.9x3.5,- | |
| C712 | 2202-000231 | C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP,3.5x19,- | |
| C713 | 2202-000231 | C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP,3.5x19,- | |
| C714 | 2202-000825 | C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP,3.5x19,- | |
| C715 | 2202-000825 | C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP,3.5x19,- | |
| CND01 | AA39-20601A | LEAD CONNECTOR-ASSY;-,5264-03,35022-03,3P,800mm,10 | |
| CNF01 | AA39-20597A | LEAD CONNECTOR-ASSY;-,5264-10,35022-10,10P,700mm,1 | |
| DC01 | 0403-000296 | DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW, | |
| JA701 | 3722-001163 | JACK-VHS;11P,12mm,AU,BLK,N | |
| JA702 | 3722-001178 | JACK-PIN;1P,3.4mm,SN,YEL,#16-22 | |
| JA703 | 3722-001176 | JACK-PIN;1P,3.4mm,SN,WHT,#16-22 | |
| JA704 | 3722-001177 | JACK-PIN;1P,3.4mm,SN,RED,#16-22 | |
| JKH01 | 3722-000143 | JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO | |
| L701 | 2701-000101 | INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm | |
| L702 | 2701-000101 | INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm | |
| L703 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| L704 | 2701-000114 | INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm | |
| R701 | 2001-000273 | R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R702 | 2001-000273 | R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m | |
| R703 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| R704 | 2001-000969 | R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm | |
| RC06 | 2001-001115 | R-CARBON(S);27Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| RC07 | 2001-000052 | R-CARBON(S);3.3Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| RC08 | 2001-001055 | R-CARBON(S);1.8Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| RC09 | 2001-001071 | R-CARBON(S);12Kohm,5%,1/2W,AA,TP,2.4x6.4mm | |
| RC10 | 2001-001168 | R-CARBON(S);6.8Kohm,5%,1/2W,AA,TP,2.4x6.4m | |
| SWY01 | 3404-001006 | SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST | |
| SWY02 | 3404-001006 | SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST | |
| SWY03 | 3404-001006 | SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST | |
| SWY04 | 3404-001006 | SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST | |
| SWY05 | 3404-001006 | SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST | |
| | AA61-30001A | LATCH-DOOR;-,-,-,KIFUCO LA701,- | |
| | AA61-60109A | SPRING-DOOR;-,SUS304,PI0.5,-,H12.5,N32,-,- | |
| | AA61-80002A | DAMPER-GEAR;-,DP802,-,37G,BLU,DP802,- | |
| | AA63-10002A | BAND-TIE;-,NYLON66 V2,-,-,L100,NTR,-,- | |
| | AA64-10776A | BUTTON-KEY,PAL;-,SPM-403J,5,ABS,HB,BLK | |
| | AA64-30856A | CASE-DRAWER,TOP;-,ABS,HB,-,-,BLK,-,SVP-403J | |
| | AA64-30857B | CASE-DRAWER,BOT;-,SPT403J,DG703P,ABS,HB,BLK,-, | |
| | AA64-30858A | CASE-DRAWER,BODY;-,ABS,HB,-,-,BLK,-,SVP-403J | |
| | AA64-60444A | INLAY-CONTROL,PAL;SPM-403J,-,PS,T0.4,BLK,-,- | |

## ASSY-HOUSING,MECHA

| | | | |
|---|---|---|---|
| * | AA91-20068A | ASSY-HOUSING,MECHA;-,VO,-,SVP403J | |
| | AA61-80056A | HOUSING-MECHA,BOT;SVP-403J,HIPS,VO,BLK,- | |
| | AA63-50351A | GRILLE-LAMP;-,SVP-403J,-,SECC,T0.5,CLEAR,- | |
| | AA63-60123A | SPACER-SPONGE,LCD;SPONGE,-,BLK,VO,SVP-403J,- | |

## ASSY-DUCT,IN

| | | | |
|---|---|---|---|
| * | AA91-20069A | ASSY-DUCT,IN;-,VO,FAN,SVP403J | |
| | 3103-001017 | FAN-DC;12VDC,120mA,2200rpm,1m^3,2.3P | |
| CL+CR | 6002-000522 | SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWRCH18 | |
| AF3A | AA39-20014F | LEAD CONNECTOR-ASSY;-,67096-003,-,3P,700mm,1007#26 | |
| | AA63-30178A | COVER-DUCT,IN,R;-,SVP-403J,-,HIPS,VO,BLK,-,- | |
| | AA63-30179A | COVER-DUCT,IN,L;-,SVP-403J,-,HIPS,VO,BLK,-,- | |

## ASSY-DUCT,OUT

| | | | |
|---|---|---|---|
| * | AA91-20070A | ASSY-DUCT,OUT;-,VO,FAN,SVP403J | |
| AF4A | AA39-20014F | LEAD CONNECTOR-ASSY;-,67096-003,-,3P,700mm,1007#26 | |
| AT1A | AA39-20015M | LEAD CONNECTOR-ASSY;-,67096-003,-,3(2)P,900mm,1007 | |
| BL+CDO | 6003-001023 | SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SWRCH1 | |
| BL+THE | 6003-000334 | SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWRCH18 | |
| OR+OL | 6002-000522 | SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWRCH18 | |
| | 3103-001017 | FAN-DC;12VDC,120mA,2200rpm,1m^3,2.3P | |
| | 4712-000121 | THERMOSTAT;125V/250V,15A/7.5A,95+-5C,85+- | |
| | AA61-11006A | BRACKET-LAMP;-,SVP-403J,SECC-1,T1.0,-,-,- | |
| | AA63-30180A | COVER-DUCT,OUT,R;-,SVP-403J,-,ABS,V0,BLK,-,- | |
| | AA63-30181A | COVER-DUCT,OUT,L;-,SVP-403J,-,ABS,V0,BLK,-,- | |

## ASSY-POWER,CORD

| | | | |
|---|---|---|---|
| ⚠ | AA39-10003B | POWER-CORD;-,KJP-140,KLCE-2F,2.4m,HOUS,S, | |
| | AA61-20284A | HOLDER;-,P-CORD,PP,VO,BLK,KE-002 | |
| | | BUYER : XEU | |
| ⚠ | AA39-10007X | POWER-CORD;-,EP3/YES(HK),H03VVH2-F,2.4m,I | |

## REMOCON

| | | | |
|---|---|---|---|
| * | AA59-10103F | REMOCON;-,TM49,L/G KWANG,30C264,47,-,- | |

## ASSY-LENS,MECHA

| | | | |
|---|---|---|---|
| * | AA91-20057A | ASSY-LENS,MECHA;-,-,DS001AKB-61B,SVP-403J | |

## ASSY-HOLDER,SPK

| | | | |
|---|---|---|---|
| * | AA91-60225A | ASSY-HOLDER,SPK;-,PP,HB,BLK,8R20W,168BR20K | |

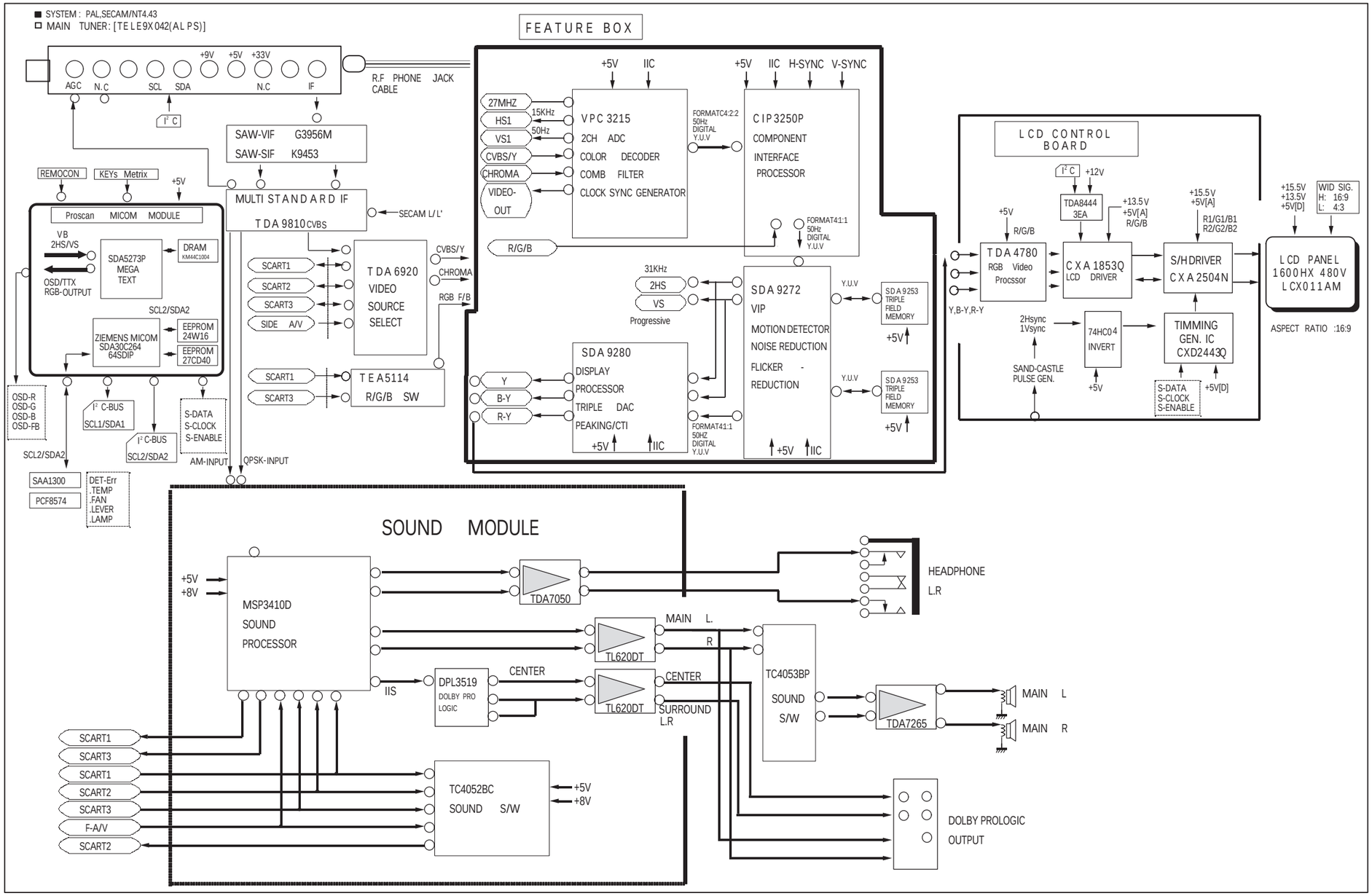
| Loc. No. | Code No. | Description ; Specification | Remark |
|---|---|---|---|
| AS1A | AA39-20505A | LEAD CONNECTOR-ASSY;-,YSH025-04,REC,4P,900.700,100 | |

## ASSY-ACCESSORY

| | | | |
|---|---|---|---|
| | AA39-40001B | CABLE-RCA;-,RCA,1500mm,0.12/10,RED/WHT/Y | |
| | | BUYER : SEG/ANA/BOB/ELS/EUP/INT/XEH/XEO/XEU | |
| I/B | AA68-11328A | MANUAL-USERS;PLT51A,ENG/GER,TM49,B5,W/P 100 | |
| | | BUYER : UKRAINE | |
| I/B | AA68-00020A | MANUAL-USERS;PLT51A,N-RUSSIA,-B5,W/P(100),- | |
| | | BUYER : ATR/AMFO | |
| I/B | AA68-11329A | MANUAL-USERS;PLT51A,FRA/DUT,TM49,B5,W/P | |
| I/B | AA68-11361A | MANUAL-USERS;PLT51A,GER/ITA,TM49,B5,W/P | |
| | | BUYER : NSI | |
| I/B | AA68-11330A | MANUAL-USERS;PLT51A,FINL/NORW,TM54,B5,W/P | |
| I/B | AA68-11335A | MANUAL-USERS;PLT51A,SWE/DAN,TM49,B5,W/P | |
| | | BUYER : XEC | |
| I/B | AA68-11331A | MANUAL-USERS;PLT51A,SPA/POR,TM49,B5,W/P | |
| | | BUYER : XEF | |
| I/B | AA68-11329A | MANUAL-USERS;PLT51A,FRA/DUT,TM49,B5,W/P | |
| | | BUYER : SEI | |
| I/B | AA68-11329A | MANUAL-USERS;PLT51A,FRA/DUT,TM49,B5,W/P | |
| S/D | AA68-20055A | MANUAL-S/D;PLT51A,ENG,-,W/P,100(G),-ITAL | |
| S/N | AA68-20056A | MANUAL-SERVICE;PLT51A,W/P,100(G),B5,U K/IT A/S | |

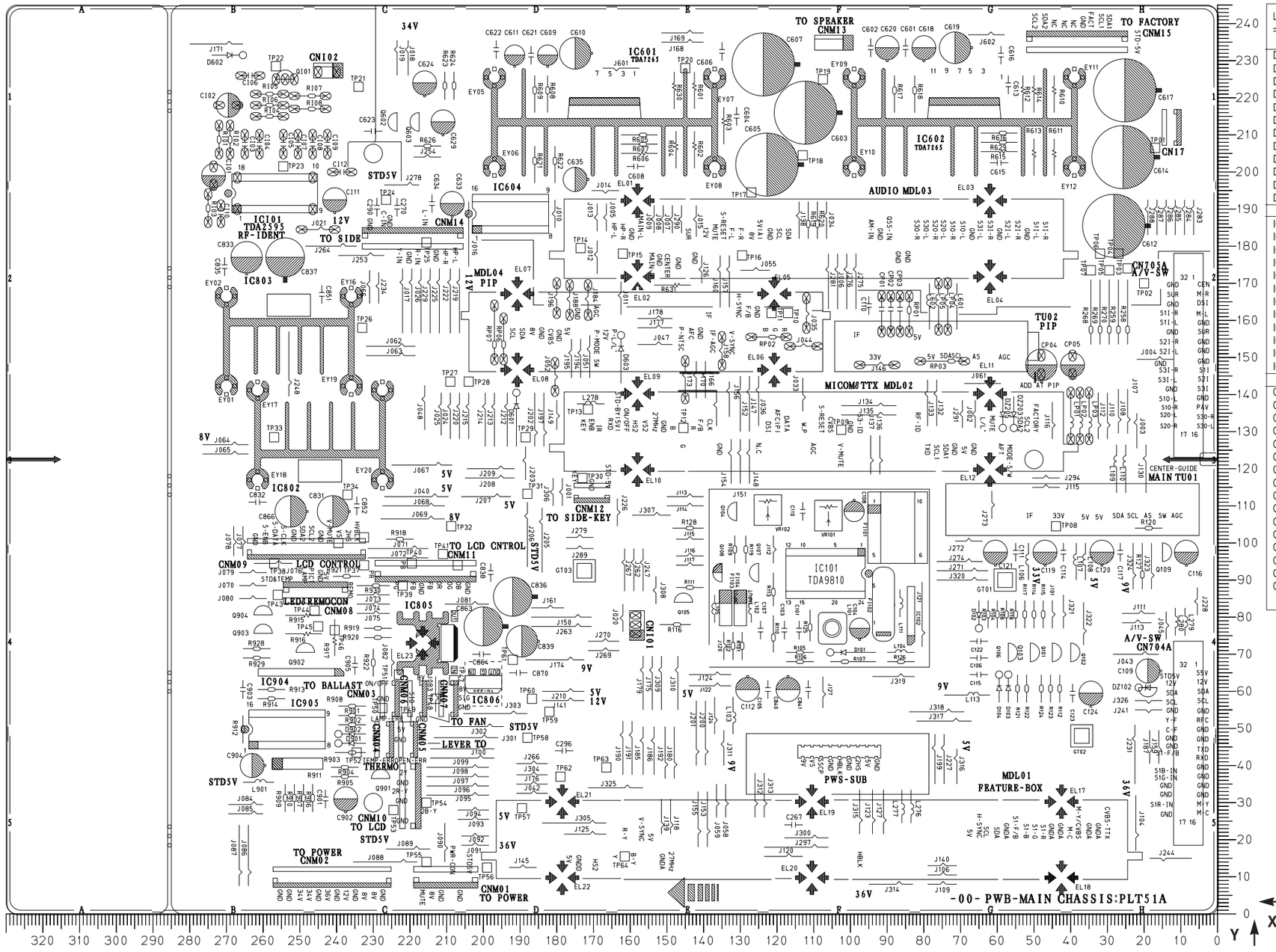
# 9. Block Diagram

## 9-1 PLT51A (SP-403JHA)



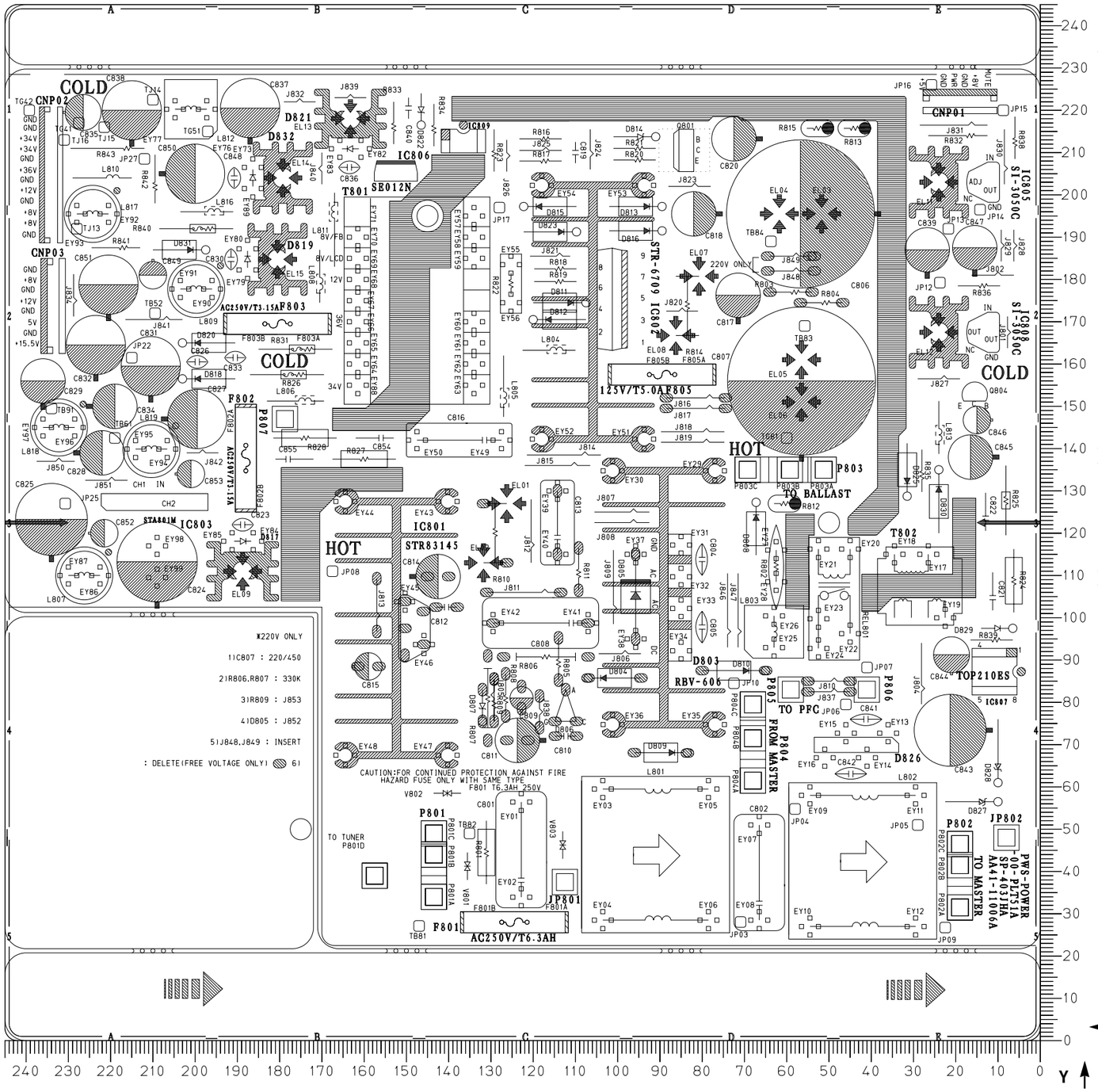
# 10. PCB Layout Diagram

## 10-1 PCB-MAIN



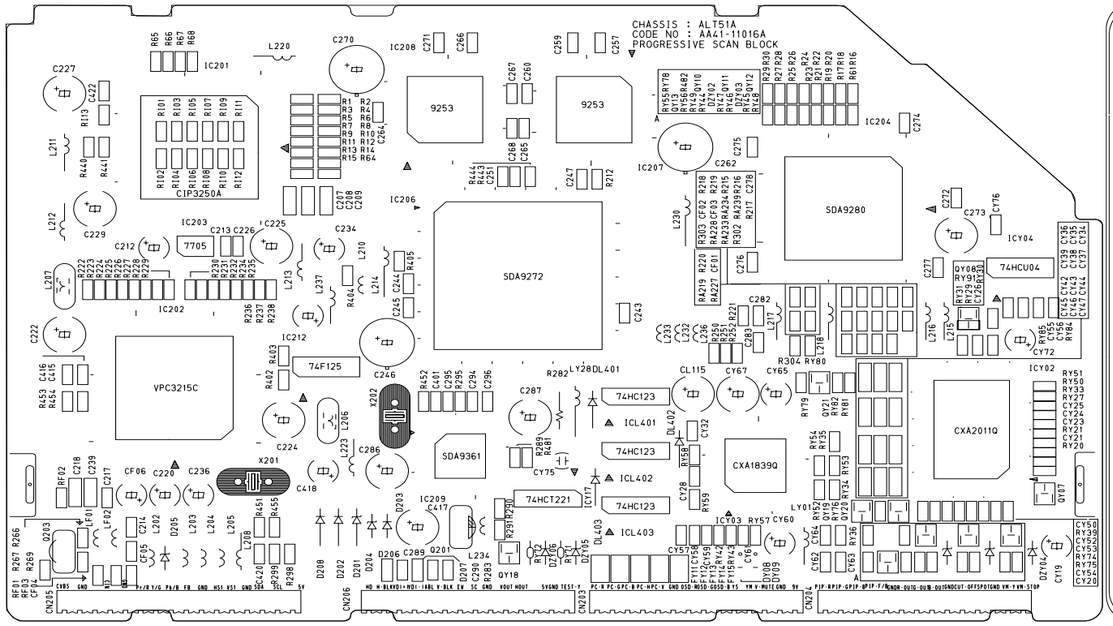

| Loc. No. | X | Y |
|---|---|---|
| **DIODE** | | |
| D101 | 105 | 70 |
| D102 | 65 | 77 |
| D103 | 57 | 64 |
| D104 | 59 | 64 |
| D601 | 191 | 140 |
| D602 | 265 | 231 |
| D603 | 162 | 156 |
| D901 | 239 | 46 |
| D902 | 239 | 48 |
| DZ102 | 21 | 61 |
| DZ203 | 55 | 131 |
| DZ205 | 58 | 131 |
| **IC** | | |
| IC101 | 97 | 86 |
| IC102 | 83 | 74 |
| IC601 | 197 | 225 |
| IC602 | 99 | 225 |
| IC604 | 201 | 193 |
| IC802 | 227 | 117 |
| IC803 | 270 | 166 |
| IC805 | 216 | 73 |
| IC806 | 202 | 62 |
| IC904 | 239 | 65 |
| IC905 | 262 | 54 |
| ICI01 | 267 | 198 |
| **TRANSISTORS** | | |
| Q101 | 45 | 68 |
| Q102 | 40 | 68 |
| Q103 | 51 | 68 |
| Q104 | 131 | 111 |
| Q105 | 143 | 84 |
| Q106 | 57 | 68 |
| Q107 | 125 | 94 |
| Q108 | 135 | 94 |
| Q109 | 15 | 95 |
| Q602 | 223 | 216 |
| Q603 | 217 | 216 |
| Q901 | 225 | 36 |
| Q902 | 246 | 70 |
| Q903 | 257 | 75 |
| Q904 | 257 | 80 |
| QI01 | 251 | 225 |

## 10-2 PCB-POWER

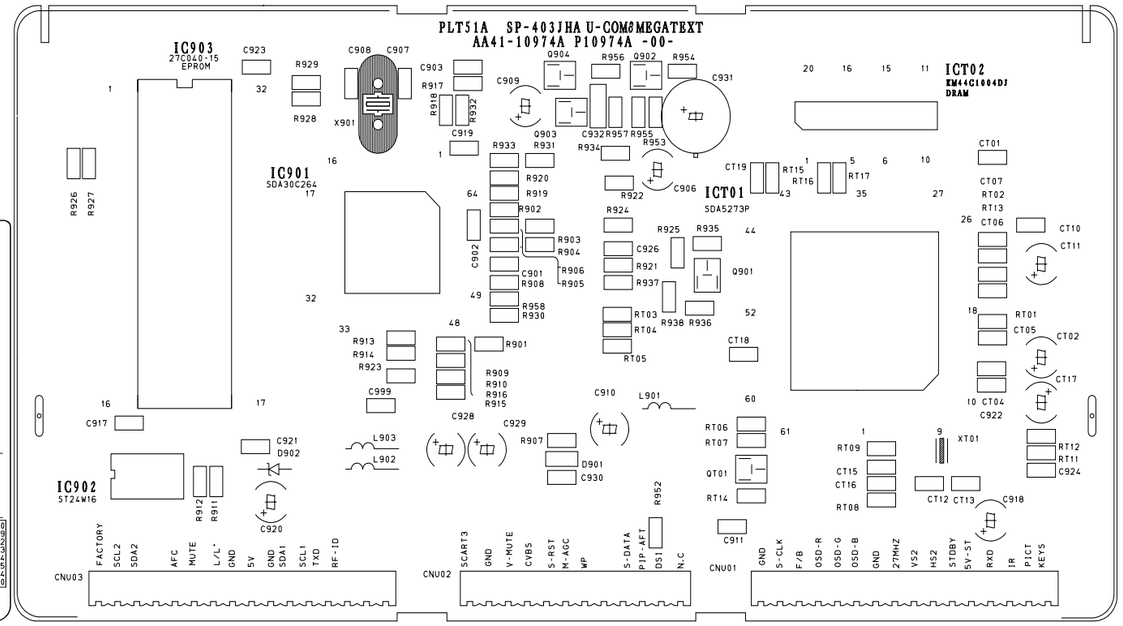



| Loc. No. | X | Y |
|---|---|---|
| **DIODE** | | |
| D803 | 77 | 134 |
| D804 | 107 | 85 |
| D805 | 95 | 115 |
| D806 | 109 | 75 |
| D807 | 132 | 75 |
| D808 | 67 | 127 |
| D809 | 83 | 68 |
| D810 | 65 | 87 |
| D811 | 107 | 174 |
| D812 | 120 | 170 |
| D813 | 89 | 197 |
| D814 | 91 | 213 |
| D815 | 122 | 197 |
| D816 | 89 | 191 |
| D817 | 188 | 111 |
| D818 | 203 | 156 |
| D819 | 180 | 184 |
| D820 | 203 | 165 |
| D821 | 163 | 218 |
| D822 | 146 | 216 |
| D823 | 109 | 191 |
| D825 | 31 | 128 |
| D826 | 36 | 72 |
| D827 | 10 | 56 |
| D828 | 10 | 61 |
| D829 | 6 | 97 |
| D830 | 24 | 135 |
| D831 | 197 | 187 |
| D832 | 179 | 204 |
| **IC** | | |
| IC801 | 140 | 127 |
| IC802 | 93 | 202 |
| IC803 | 218 | 129 |
| IC805 | 24 | 203 |
| IC806 | 150 | 205 |
| IC807 | 7 | 82 |
| IC808 | 24 | 167 |
| IC809 | 132 | 214 |
| **TRANSISTORS** | | |
| Q801 | 84 | 213 |
| Q804 | 13 | 152 |

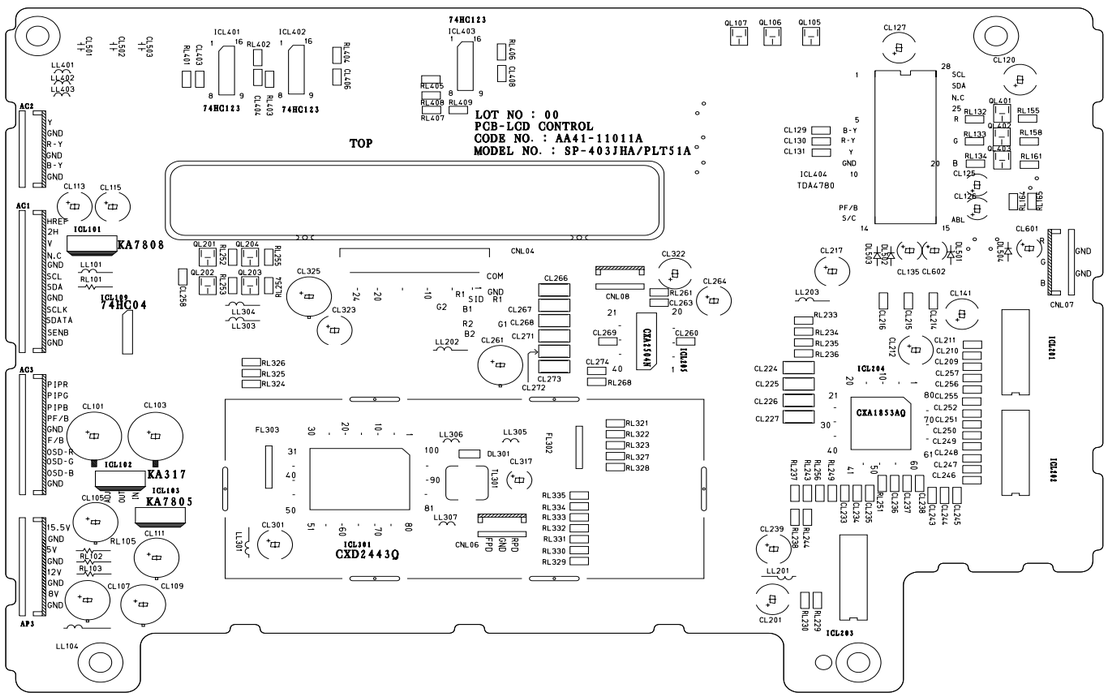
## 10-3 PCB-PROGERESSIVE



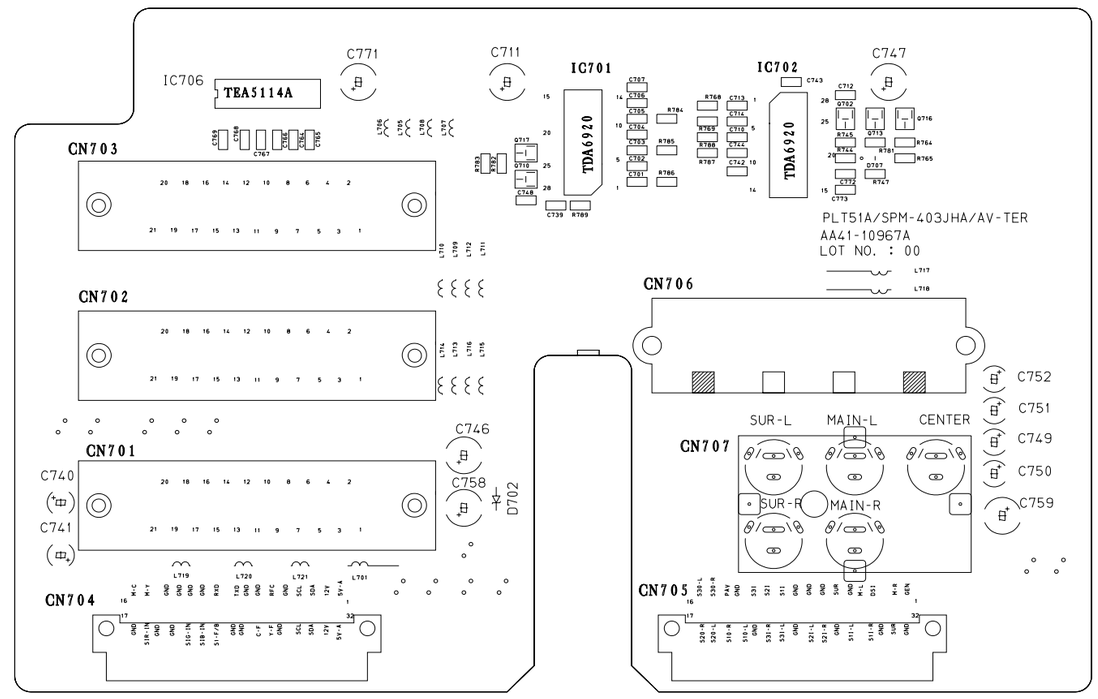

## 10-4 PCB u-COM



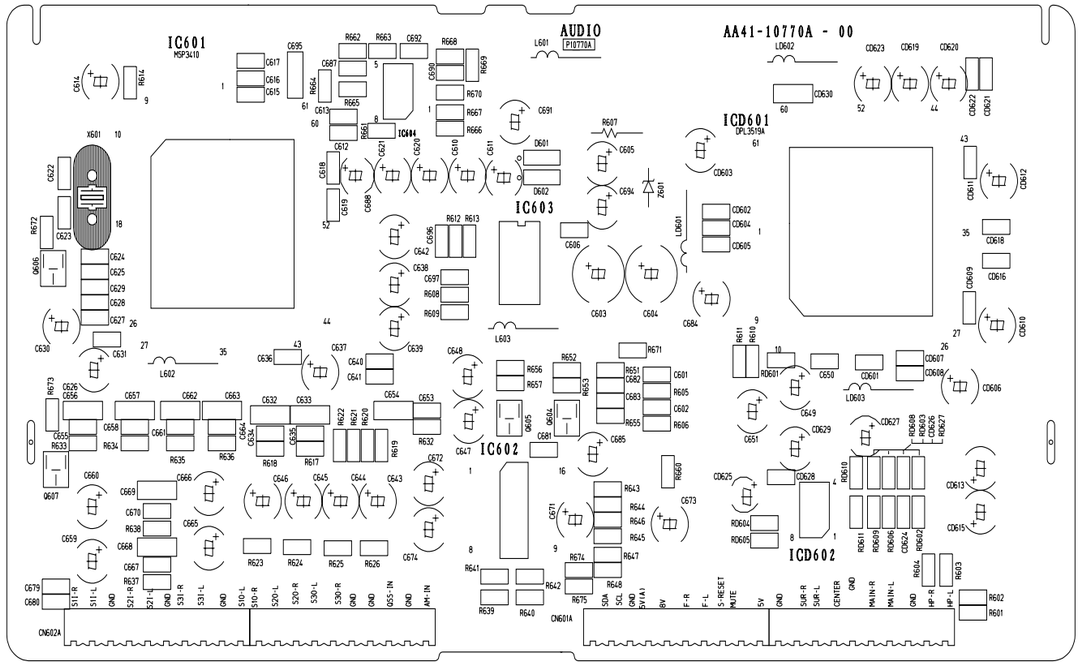

## 10-5 PCB-LCD CONTROL



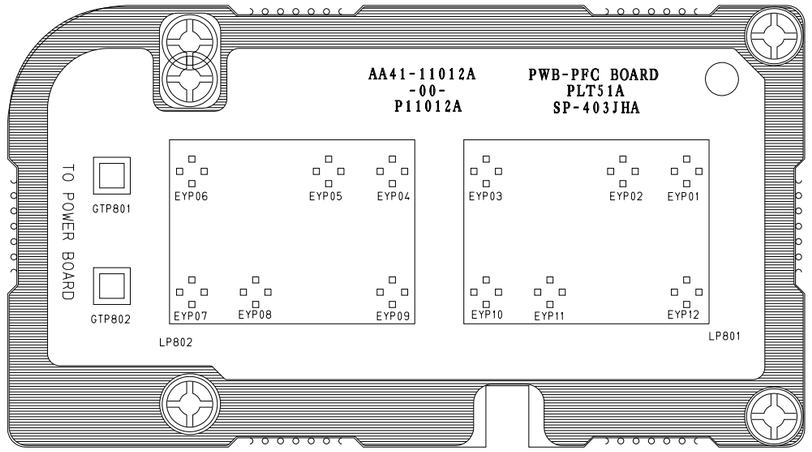

## 10-6 PCB-A/V TERMINAL



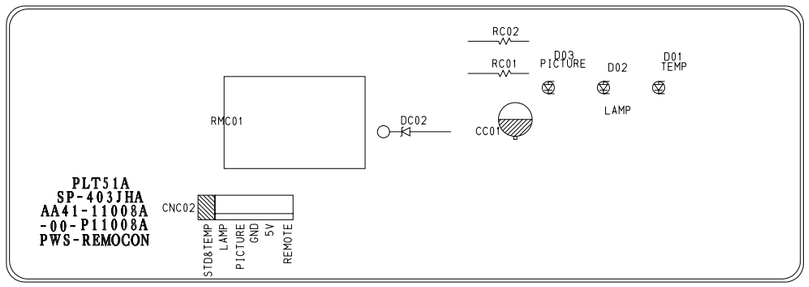
## 10-7 PCB-AUDIO



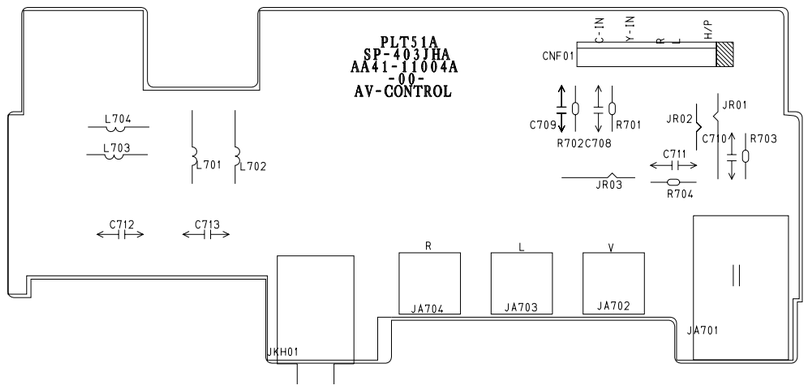

## 10-8 PCB-PFC



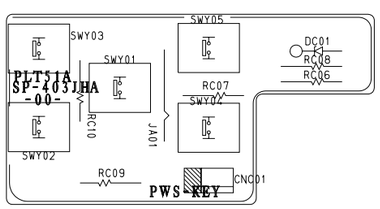

## 10-9 PCB-REMOCON



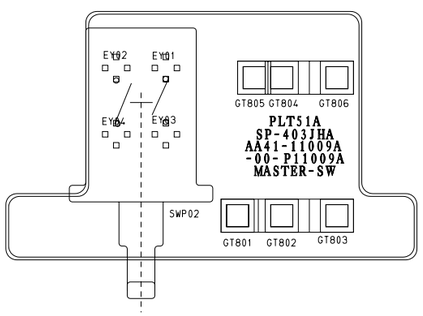

## 10-10 PCB-A/V CONTROL




## 10-11 PCB-SIDE KEY

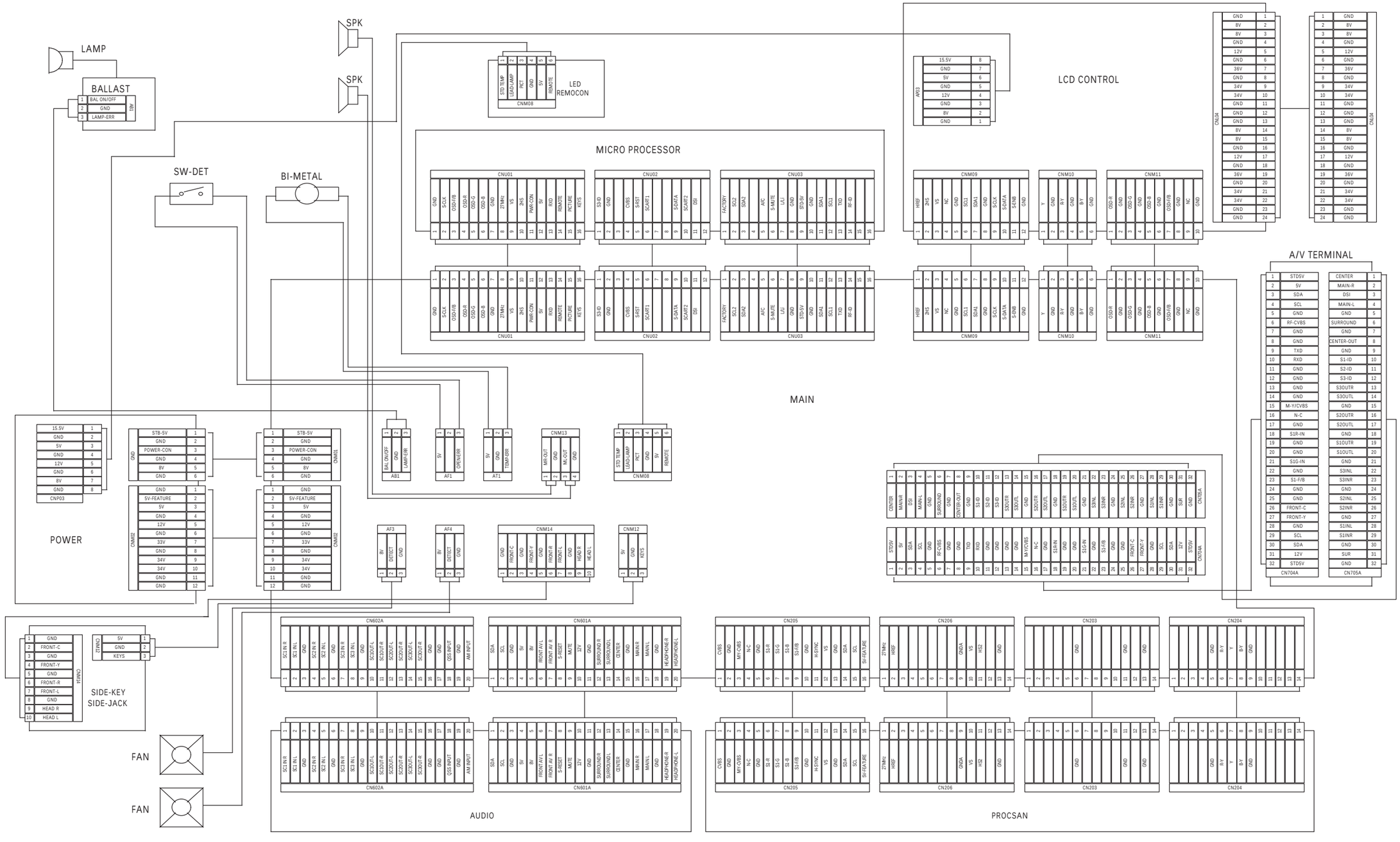



## 10-12 PCB-MASTER S/W



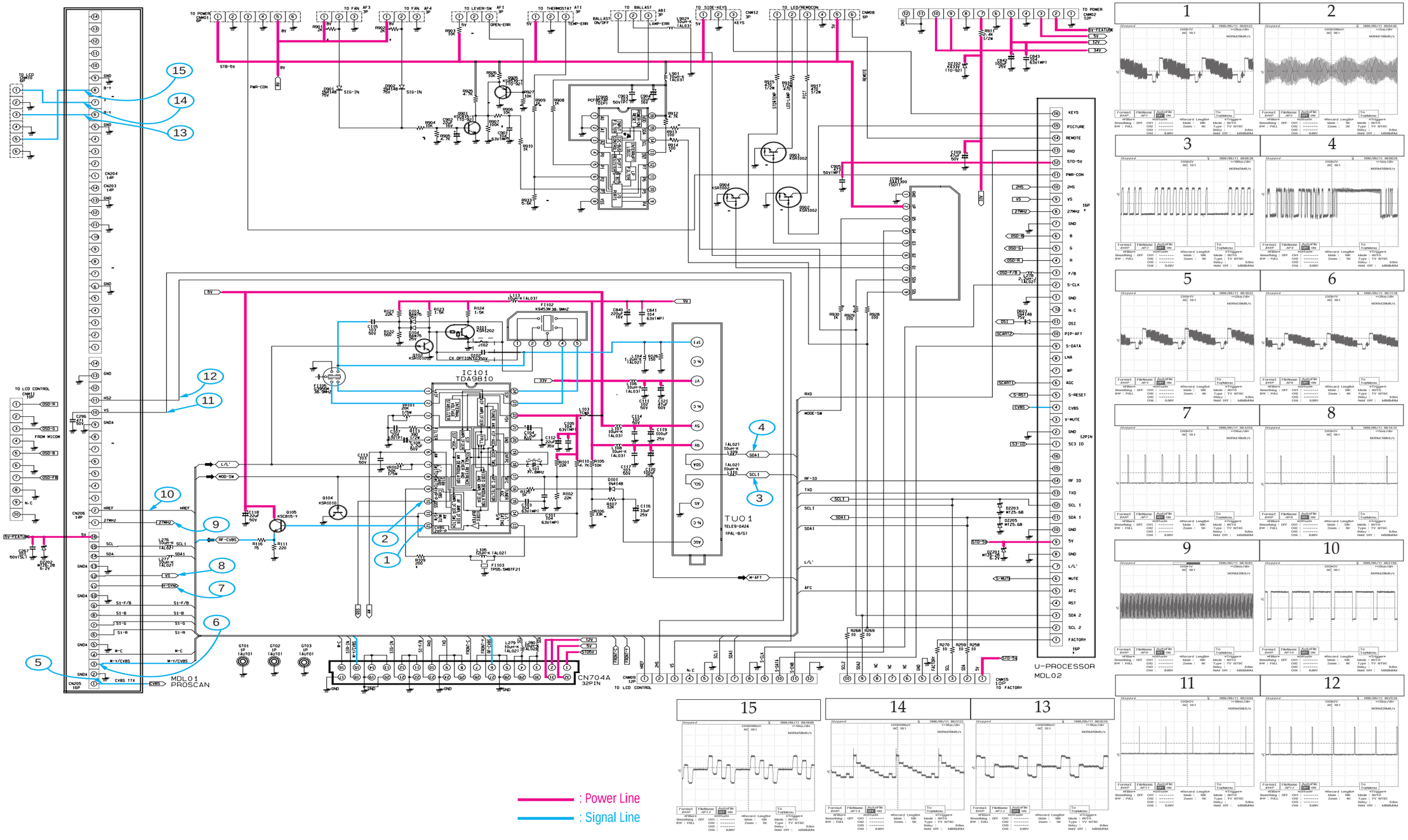
# 11. Wiring Diagram

## 11-1 PLT51A (SP-403JHA) Wiring Diagram

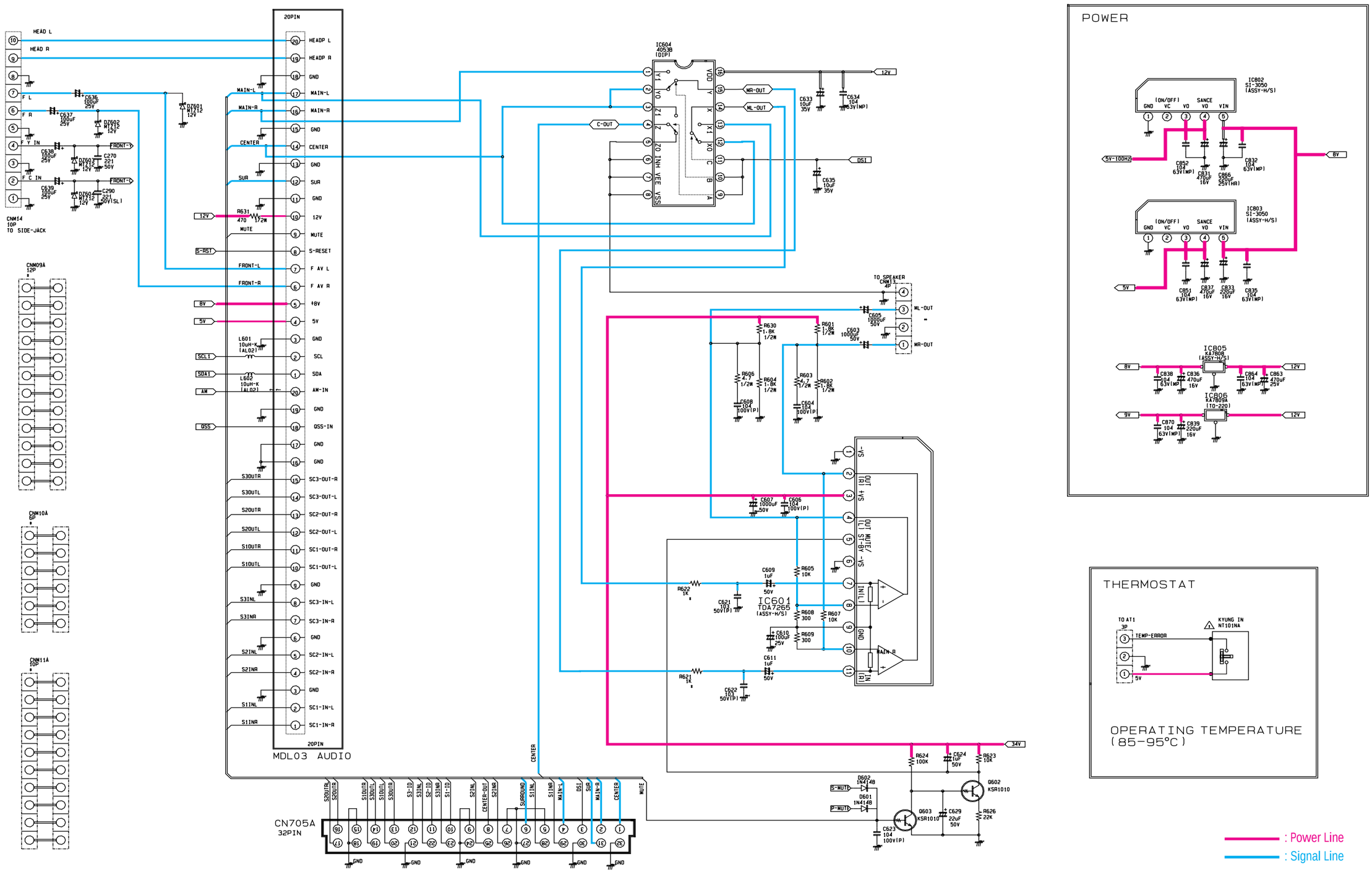


# 12. Schematic Diagrams

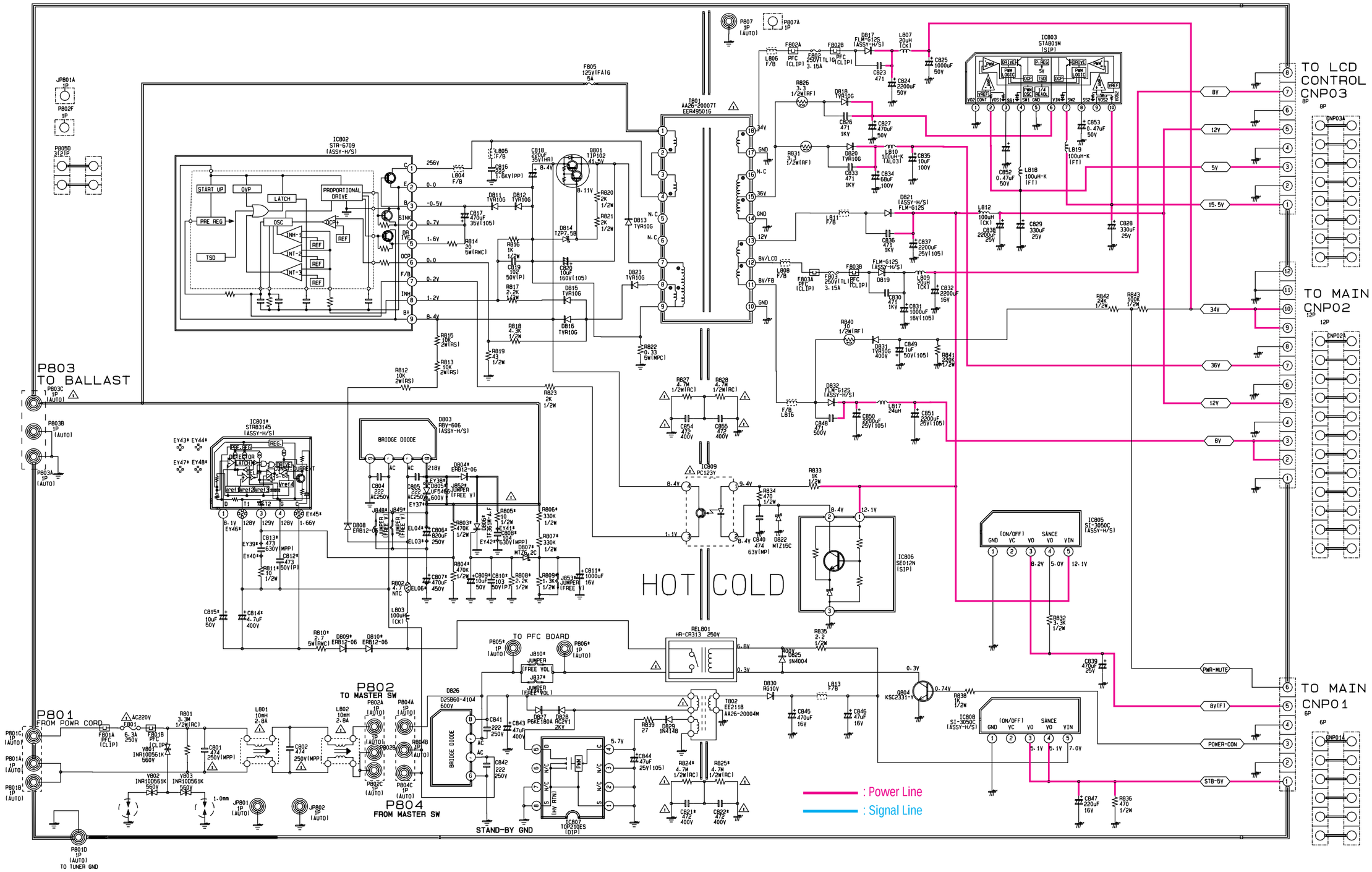
## 12-1 MAIN (1)



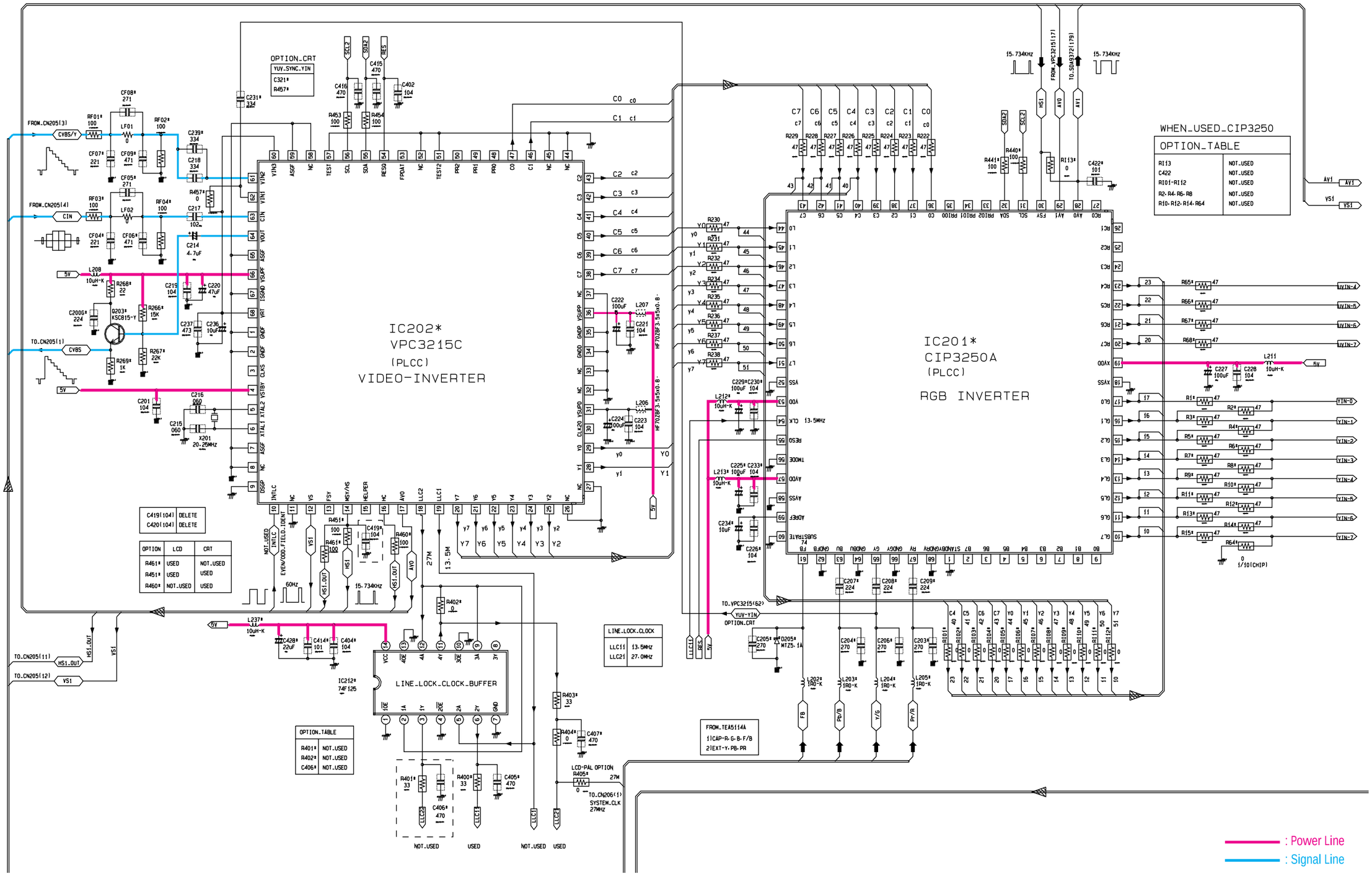
# 12-2 MAIN (2)


HEAD L
HEAD R
F L
F R
F Y IN
F C IN
FRONT-L
FRONT-R
CNM14
10P
TO SIDE-JACK
CNM09A
12P
CNM10A
6P
CNM11A
10P
20PIN
HEADP L
HEADP R
GND
MAIN-L
MAIN-R
CENTER
SUR
12V
MUTE
S-RST
F AV L
F AV R
+8V
5V
SCL
SDA
AM-IN
OSS-IN
SC3-OUT-R
SC3-OUT-L
SC2-OUT-R
SC2-OUT-L
SC1-OUT-R
SC1-OUT-L
SC3-IN-L
SC3-IN-R
SC2-IN-L
SC2-IN-R
SC1-IN-L
SC1-IN-R
MDL03 AUDIO
IC604
4053B
(DIP)
C-OUT
MR-OUT
ML-OUT
DSI
IC601
TDA7265
(ASSY-H/S)
TO SPEAKER
CNM13
4P
ML-OUT
MR-OUT
CN705A
32PIN
S-MUT
P-MUT
Q602
KSR1010
Q603
KSR1010
34V
POWER
IC802
SI-3050
(ASSY-H/S)
IC803
SI-3050
(ASSY-H/S)
IC805
KA7808
(ASSY-H/S)
IC806
KA7809A
(TO-220)
THERMOSTAT
TO AT1
3P
TEMP-ERROR
KYUNG IN
NT101NA
OPERATING TEMPERATURE
(85~95°C)
: Power Line
: Signal Line

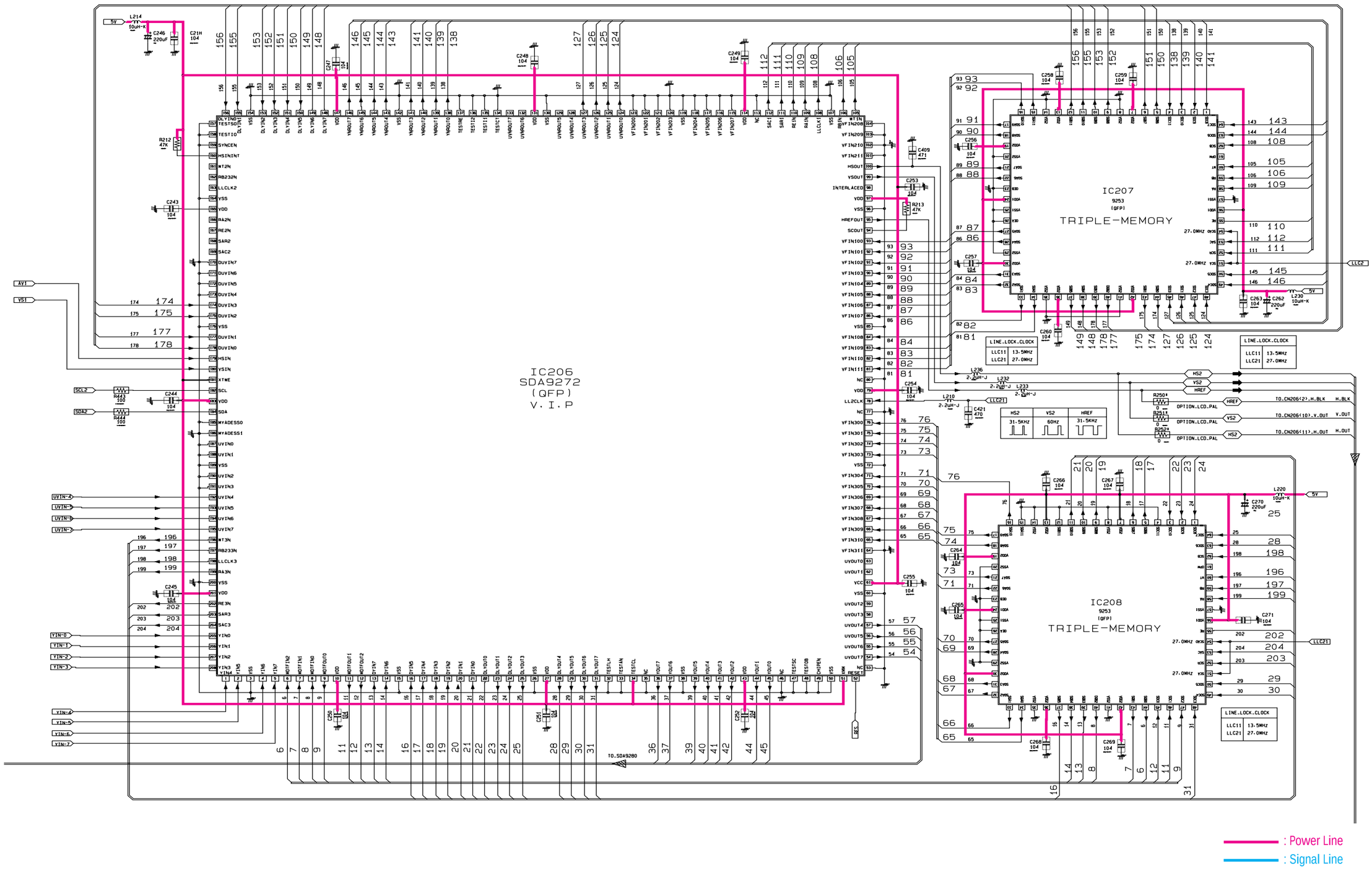
## 12-3 MAIN (POWER)



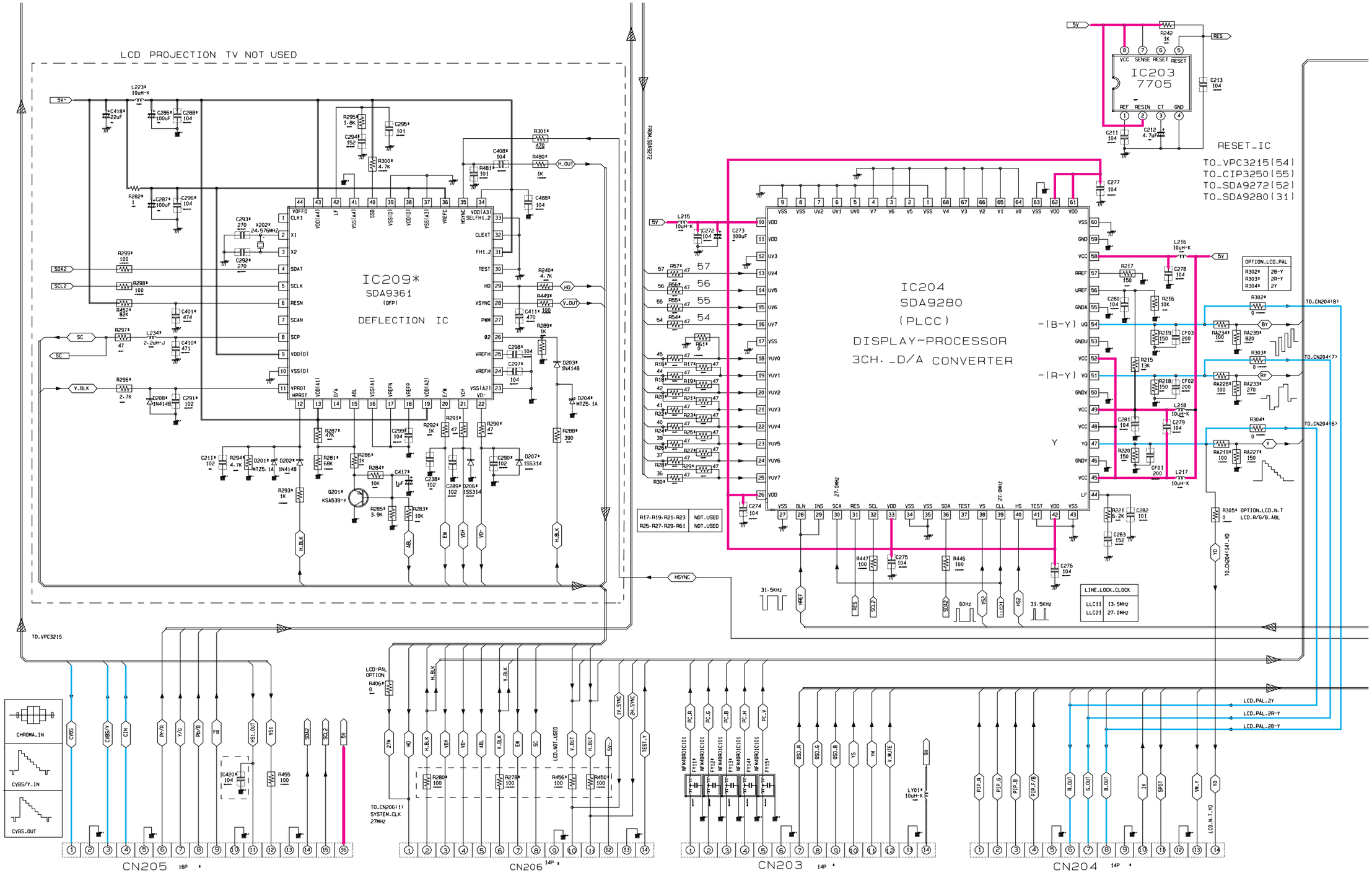
## 12-4 PROSCAN (1)



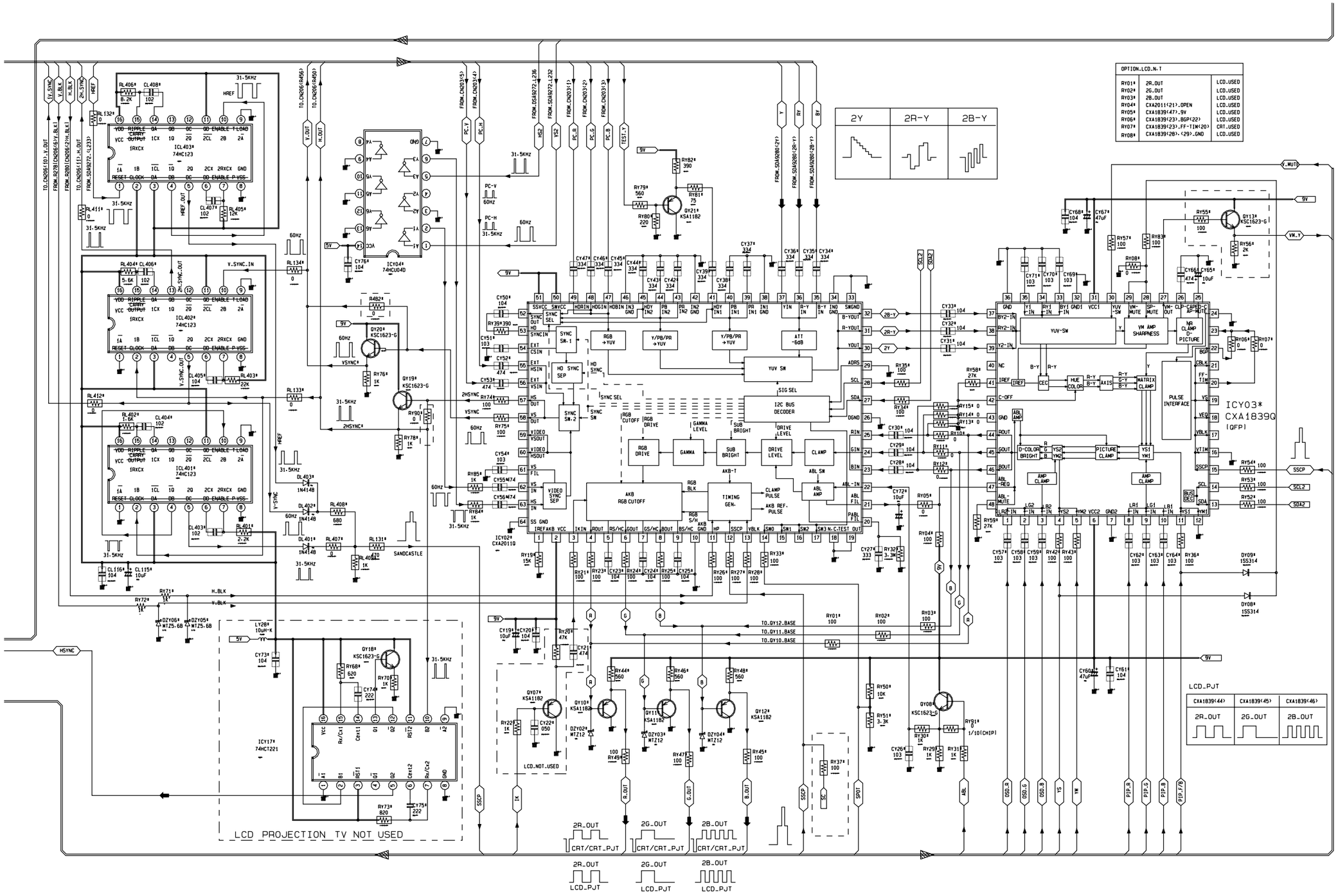
# 12-5 PROSCAN (2)



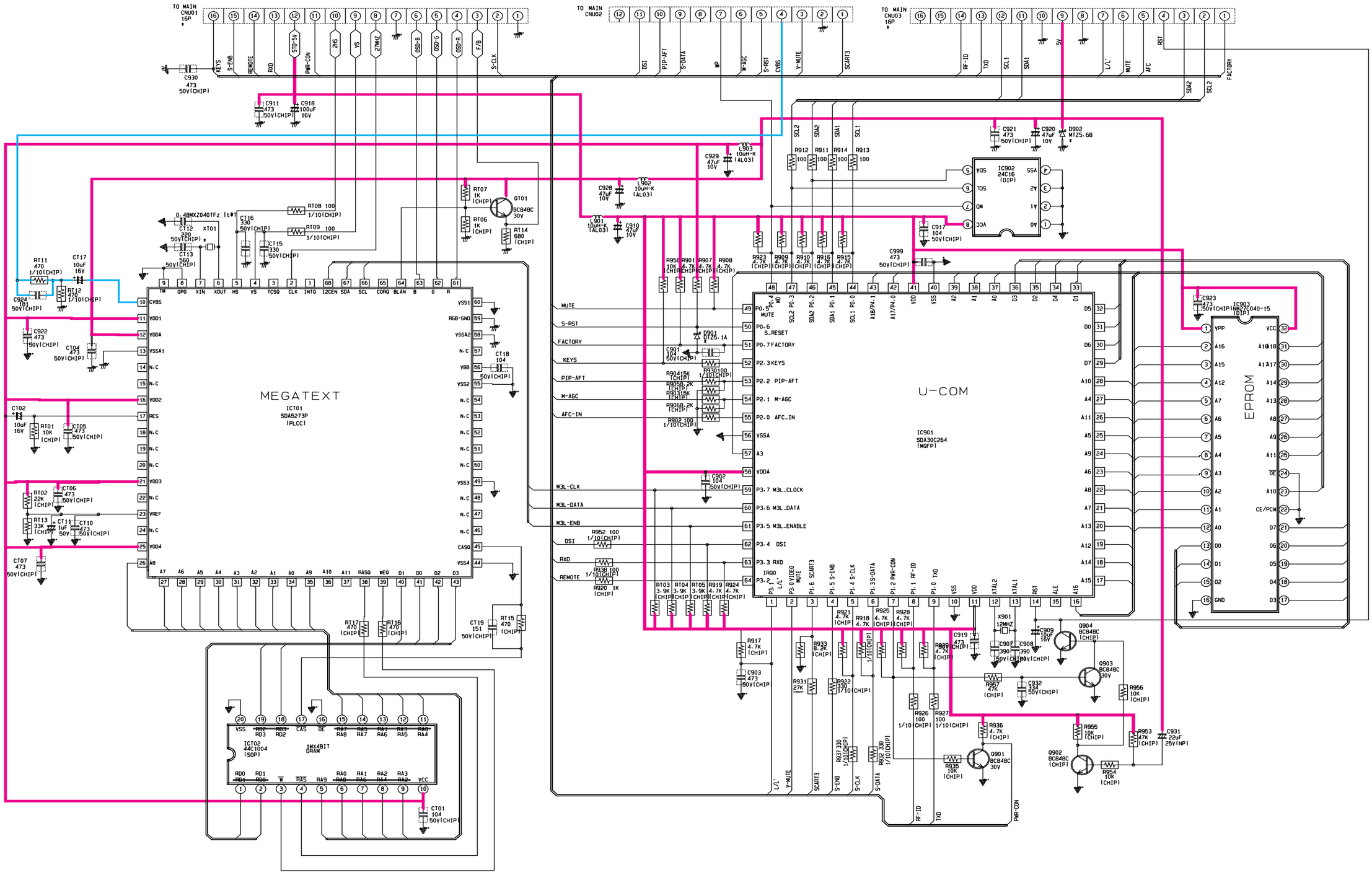
# 12-6 PROSCAN (3)



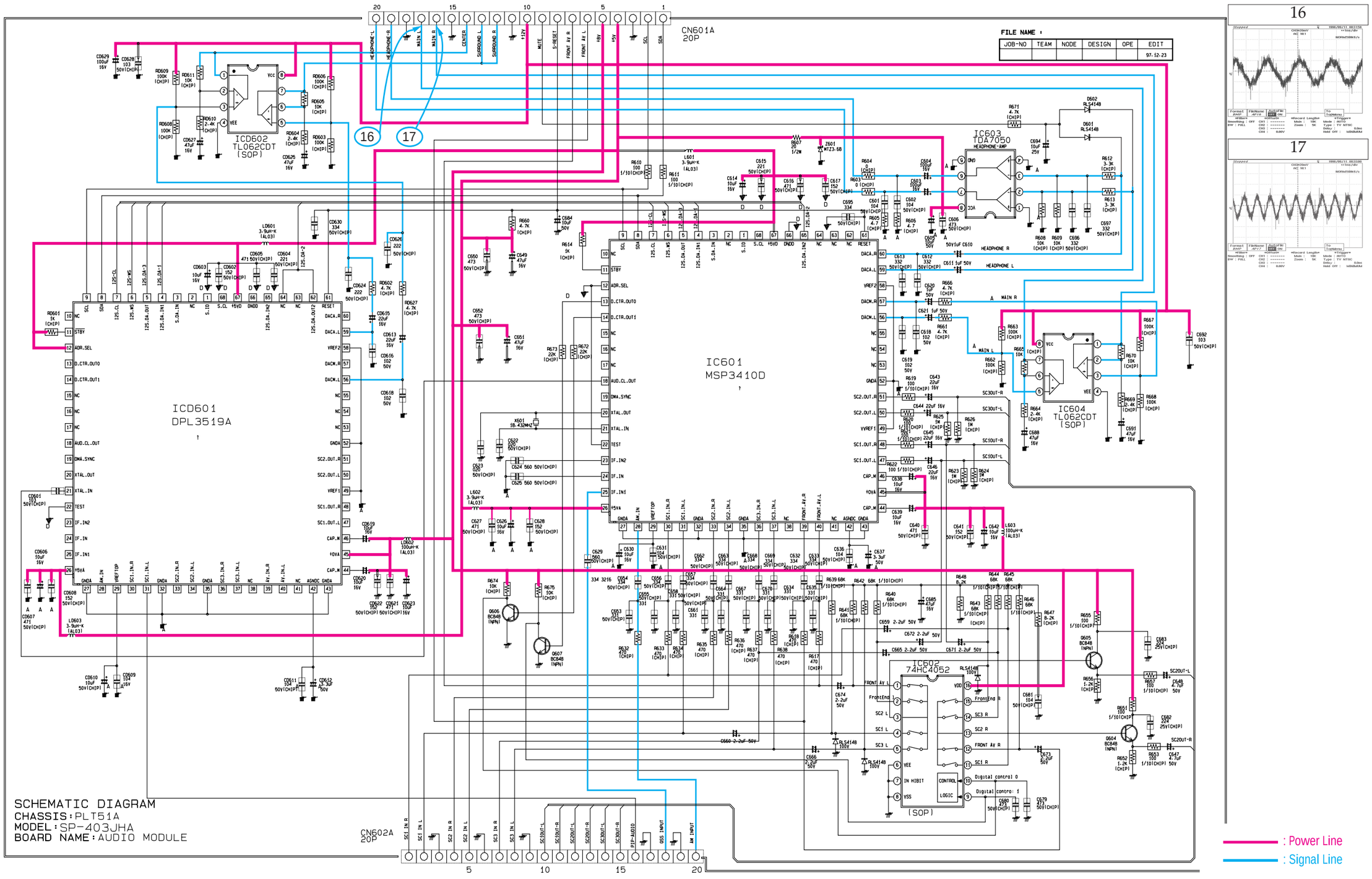
# 12-7 PROSCAN (4)



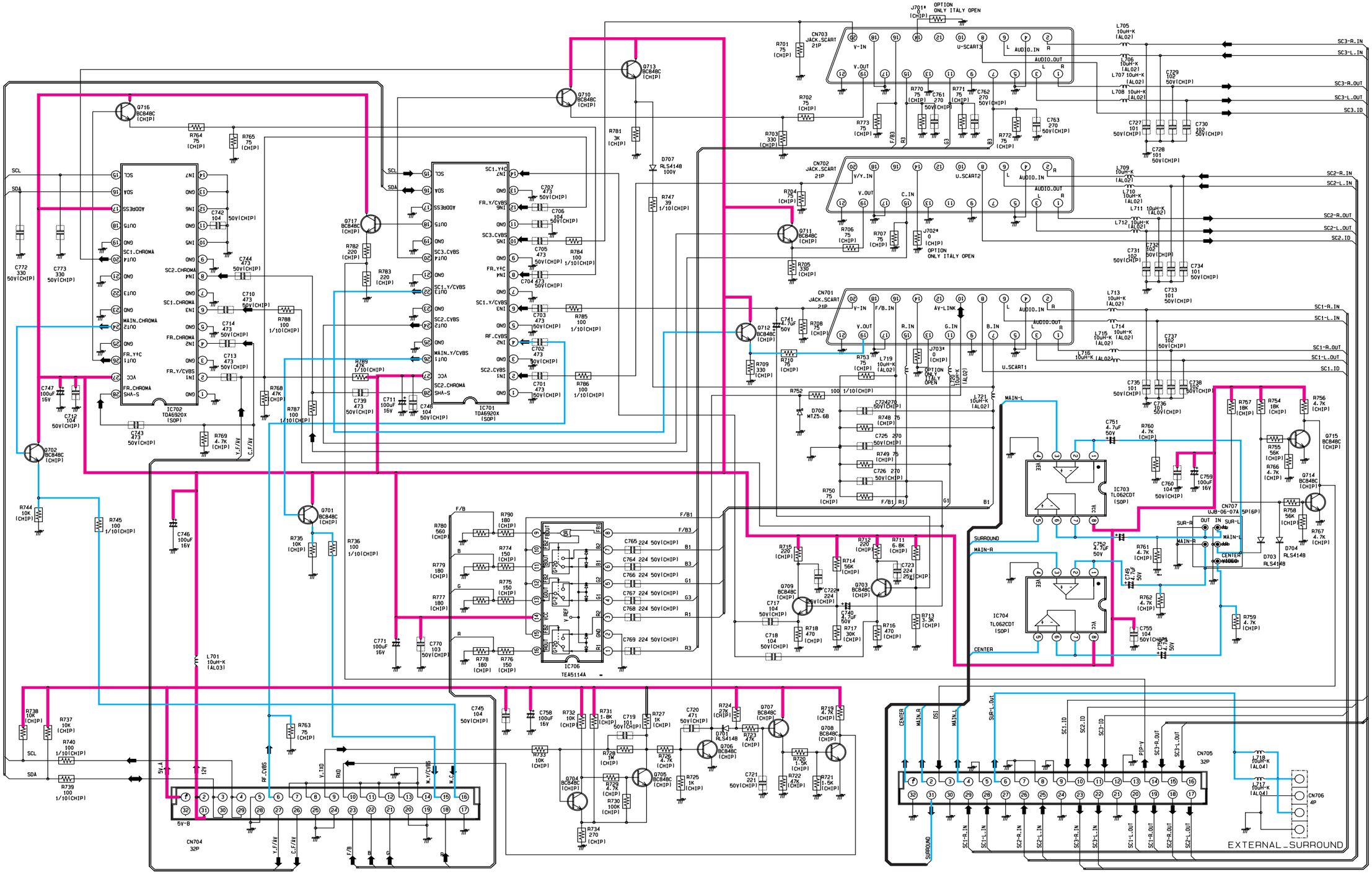
## 12-8 MAIN (u-COM)



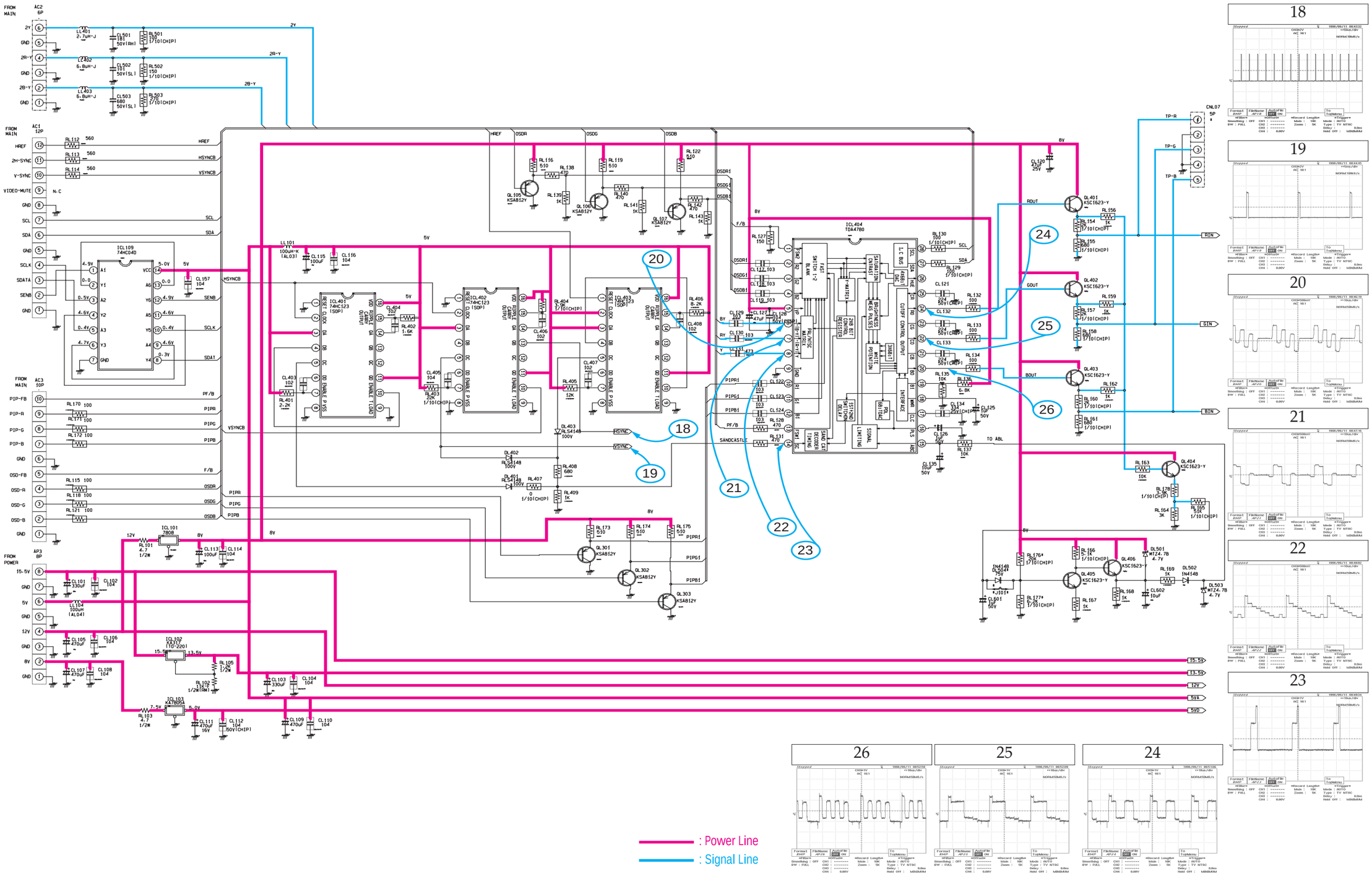
## 12-9 MAIN (AUDIO)



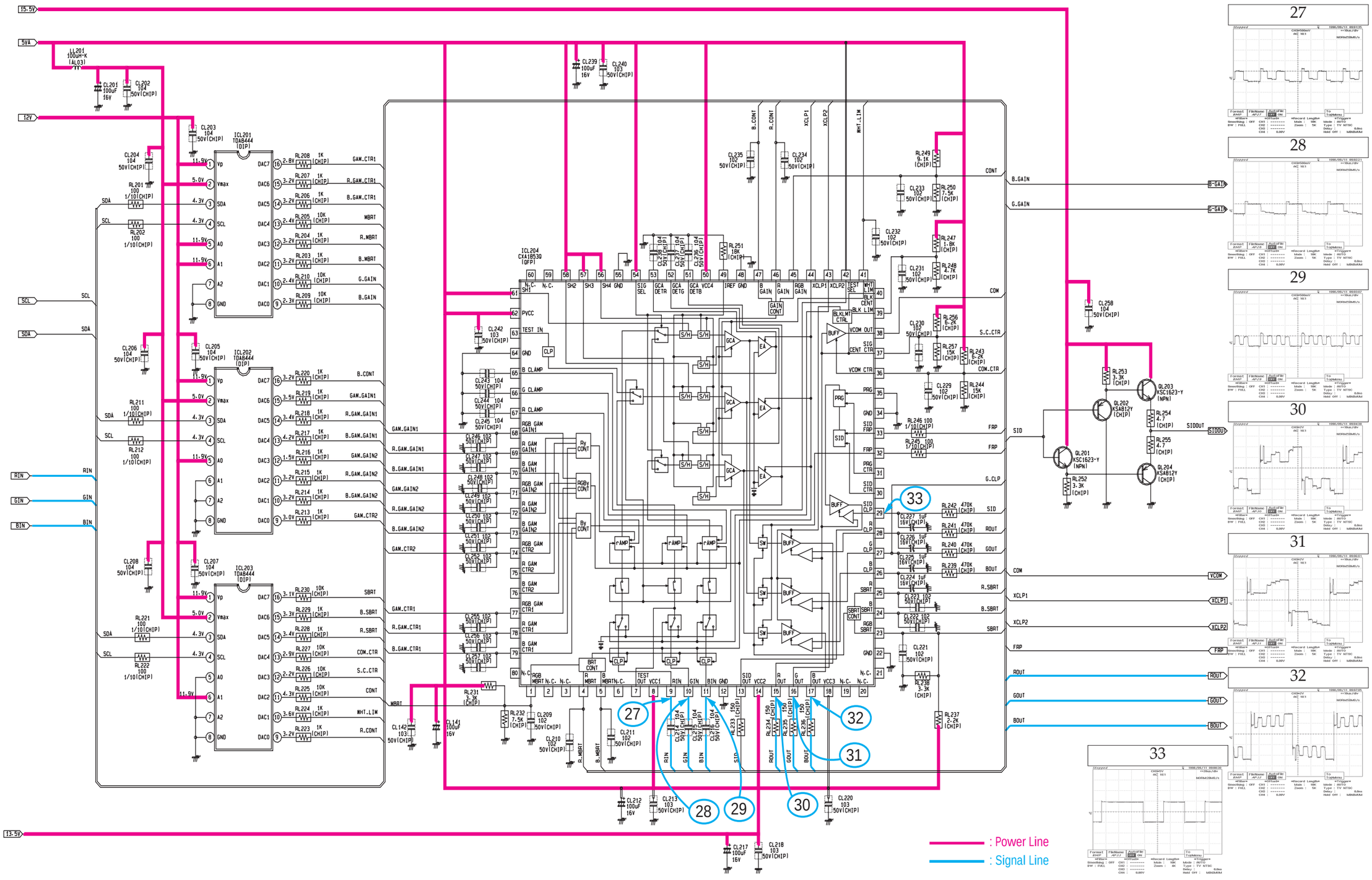
# 12-10 MAIN (A/V TERMINAL)



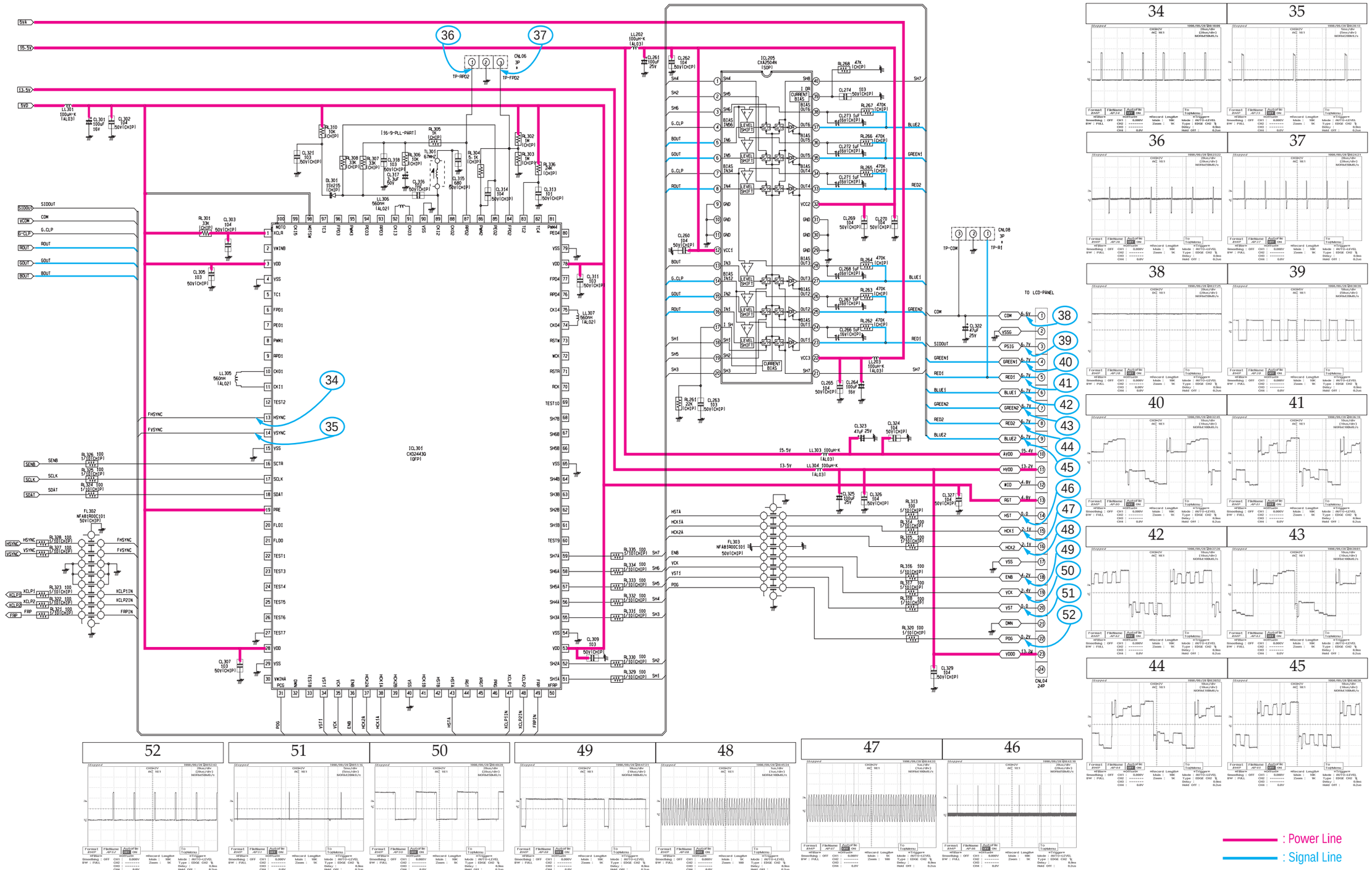
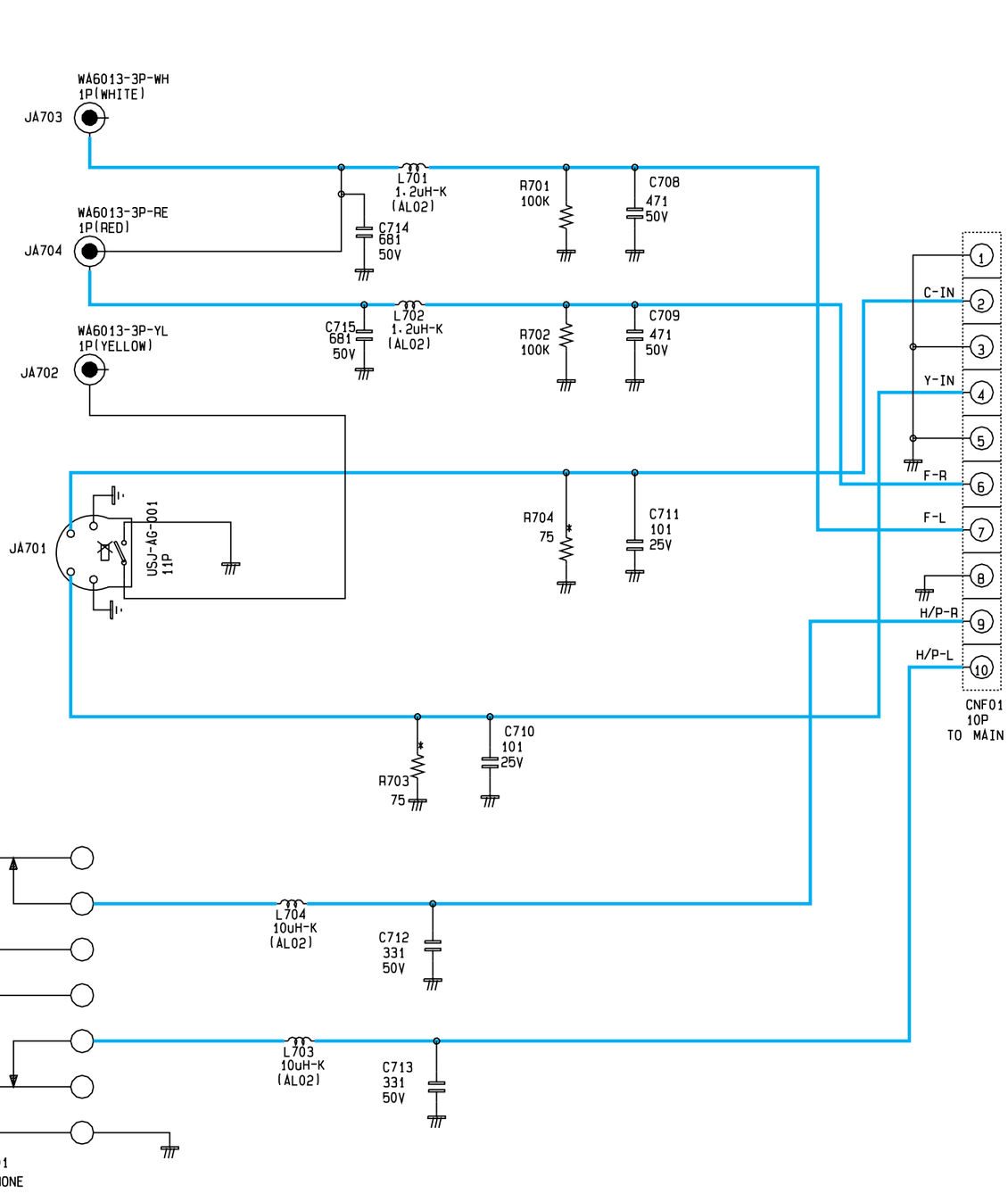
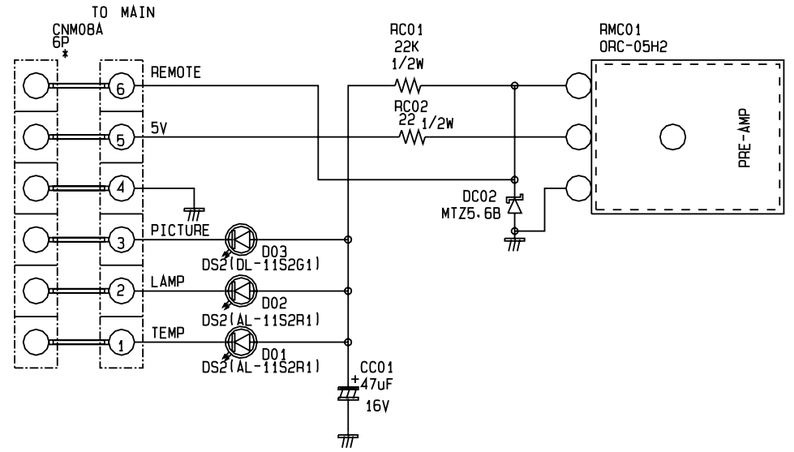
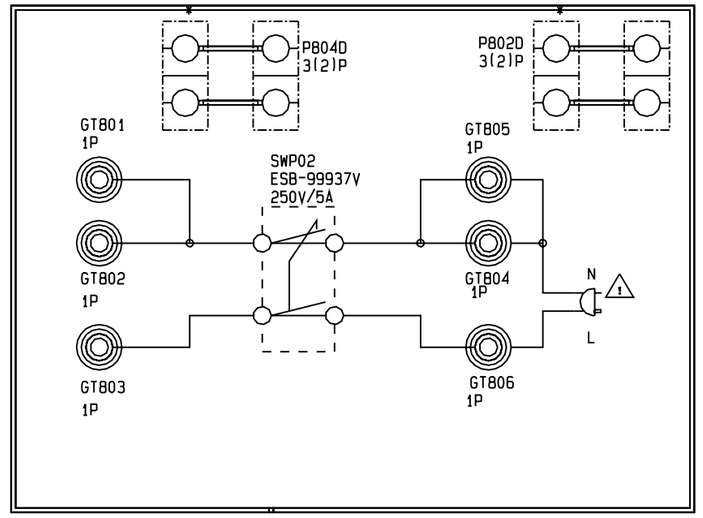
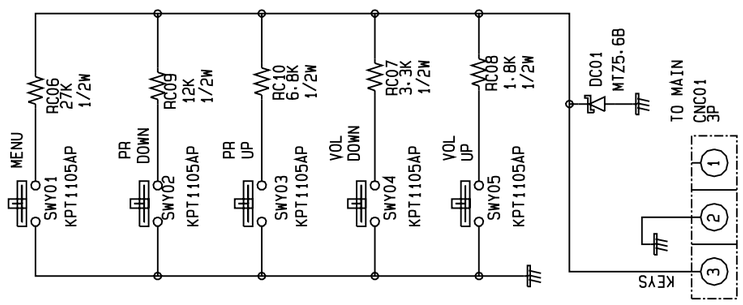
# 12-11 CONTROL LCD (1)



# 12-12 CONTROL LCD (2)



# 12-13 CONTROL LCD (3)



## 12-14 MAIN SUB (MASTER/REMOCON/PRE-AMP)